Pavan

**Sr. Java Full Stack Developer**

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**571-570-5951**

**PROFESSIONAL SUMMARY:**

* Over 10+ years of IT experience in Object-Oriented Programming, Analysis, Design, Documentation, Integration, Testing, and Implementation of Client-Server, Distributed Multi-tiered, and Large-Scale Enterprise applications in Waterfall and Agile methodology using JAVA and JEE technologies.
* Experience in Designing and building dynamic and user-interactive websites using JavaScript, AngularJS, Angular 6/8/10/12/13+, Express.js, Bootstrap, and jQuery.
* Expertise in Java programming and a good understanding of OOPs, Collections, Exceptions Handling, Input/output (I/O) Systems, Annotations, Enums, Concurrency, Multi-Threading, Lambdas, and Generics.
* Expertise in Designing and developing interactive Front-end applications using HTML5, CSS3, JavaScript, Typescript, and AJAX.
* Expertise in unit testing JavaScript applications using Jasmine, Karma, Mocha, Chai, and Node.
* Expertise in understanding and hands-on using various extensible Markup Languages (XML) technologies like XPath, XQuery, XSLT, XSD, SAX, DOM, and JAXB.
* Experience in developing Web and Enterprise applications using technologies JDBC, Servlets, JSP, Java Server Faces (JSF), Java Persistence API (JPA), JNDI, and JMS.
* Experience in Developing Applications using frameworks Drop wizard, Spring Dependency Injection (DI), IOC, Aspect-oriented Programming (AOP), Integration, Security, Boot, Struts and Hibernate.
* Experience in Installing, Configuring, Deploying, and maintaining Applications and Web Servers such as Oracle Web Logic, JBoss Enterprise Application Platform (EAP), Apache Tomcat Server, and IBM Web Sphere.
* Extensive no ledge in C++,Python, C, Shell Scripting, Java, QT, Unix and Linux.
* Incident Management: Participated in triage and debugging sessions to quickly resolve production issues, reducing system downtime
* Leveraged Pair Programming to increase team collaboration, reduce defects, and accelerate the development process by working closely with fellow developers to tackle complex problems.
* Experience in Integrating and deploying applications using Apache Camel, Apache CXF, ActiveMQ, and JBoss Fuse Enterprise Service Bus (ESB).
* Having Good Understanding of the API versioning and API documentation using Swagger and Apigee.
* SRE-Inspired Improvements: Enhanced system stability by creating runbooks and automating monitoring with AWS CloudWatch to track performance metrics and alert teams to potential issues.
* Experience in using various Amazon Web Services (AWS) Components like EC2 for virtual servers and S3 for storing objects, EBS, Cloud Front, Elastic cache, and Dynamo DB for storing data.
* Expertise in Producing and consuming Web Services Technologies like Restful (JAX-RS), SOAP (JAX-WS), JAX-RPC, and JAXR (Java API for XML Registries).
* Experience with Service Oriented Architecture (SOA), development, and deployment of Web Services using SOAP, WSDL, and Restful Web services.
* Participated in architecture and framework discussions to build Proof of Concepts (POC) for new technologies, contributing to strategic decisions that enhanced the POS system’s scalability and functionality.
* Experience in User Experience (UX) design and development, User Interactive (UI) Web Pages and visually appealing User Interfaces using HTML 5, CSS3, Bootstrap, SASS, JavaScript, JQuery, Vue.js, Angular.js, Typescript, Node.js and React.js.
* Extensively used Java design patterns like Builder, MVC, MVVM, Service Locator, Data Transfer Object (DTO), and Data Access Object (DAO), Factory Method.
* Experience in writing SQL queries in PL/SQL, Triggers, and Stored Procedures in Relational Database management systems like Oracle, MS SQL, MySQL, and DB2.
* Development of code using JSP code, HTML, CSS, JavaScript libraries such as JavaScript, Vue.js, jQuery, Prototype plus relevant coding standards
* Experience in workflow implementation using CAMUNDA BPMN processes implementation
* Experience in understanding and using NoSQL databases Mongo DB and Apache Cassandra.
* Expertise in using Version Control Systems like SVN, Git, and Project Tracking tools like JIRA and Rally.
* Utilized various cutting-edge technologies such as Python, Java, Kotlin, AWS, Big Data and Hadoop, cloud services.
* Strong programming skills in designing and implementation of multi-tier applications using web-based technologies like Spring Boot.
* Proficient working on JavaScript frameworks like NodeJS, Express, Ember, Backbone, ReactJS. Experience and exposure in developing User Interface (UI) Rich Web Applications, and using Front End Technologies like PHP, HTML5, XHTML, DHTML, XML, JavaScript, jQuery, JSON, AJAX, CSS2/3, Media Queries, JSP, Backbone.js, Angular.js, Bootstrap, D3.js, Ember.js.
* Monitoring and Incident Management: Utilized Dynatrace for application performance monitoring, identifying and resolving bottlenecks proactively, leading to faster MTTR.
* Good expertise in working with various Spring modules: Spring IOC, Spring MVC, Spring Security.
* Experience in understanding and working on SQL and NoSQL databases including MySQL, MongoDB, Apache Cassandra.
* Expertise in Java libraries such as JCA, JCE (Java Cryptography Extension), and Spring Security for secure AR application development
* Expertise in developing, Testing, Debugging, Integrating, and Deploying Enterprise applications using Integrated Development Environments (IDE) IntelliJ IDEA, Eclipse, STS, and RAD.
* Experience in Continuous Integration (CI/CD) tools like ANT, MAVEN, Gradle, and Jenkins.
* Extensive experience in UML Modeling diagrams development such as Use Case diagrams, Class diagrams, and Sequence diagrams.

# Technical Skills :

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| Operating Systems | Windows, Macintosh, Unix, and Linux |
| Languages | Java, JavaScript, SQL, HQL, PL/SQL |
| Java/J2EE Technologies | Java EE, Servlets, JSP, JSTL, XSLT, JDBC, JNDI, JMS, JPA, JSF |
| Web Technologies | HTML5, DHTML, CSS3, XML, JavaScript, AJAX, JSP, Angular 6/8/10/12/13+, Angular JS, React Js, jQuery, Express, Bootstrap |
| XML/Web Services | XML, XSD, SOA, WSDL, SOAP, Apache CXF, DOM, SAX, JAXWS, JAXRS,  XML Beans, REST, JAXB, Restful, AWS |
| Frameworks | Struts, Hibernate ORM, Spring MVC, Microservices, Spring Boot, Spring AOP, Drop wizard, Kubernetes, Selenium, Mockito, JUnit, Protractor, Cucumber |
| RDBMS | Oracle, MySQL, SQL-Server, PostgreSQL, MariaDB, DB2 |
| NoSQL | MongoDB, Cassandra, Oracle NoSQL |
| Web/Application Servers | Apache Tomcat, JBoss, Web Sphere, Web Logic |
| IDE’s | Eclipse, STS, IntelliJ, WebStorm |
| Design Patterns | Singleton, session facade, Front Controller, MVC, DAO, Factory  Observer, Prototype |
| Version Controls | GIT, SVN, JIRA, Rally |
| Methodologies | Unified Modeling Language (UML), Rational Unified Process (RUP),  Agile. |
| Build Tools | Ant, Maven, Gradle, Docker, Jenkins. |

# Professional Experience

**US Bank, Minneapolis, MN Mar 2023 –Present**

**Sr. Full Stack Java Developer**

**Responsibilities:**

* Responsible for requirement analysis of all the web applications and understanding the client requirements.
* Strong Knowledge about the entire (SDLC) of the project right from the designing of the project till the implementation phase of the project. Expertise in using CSS3, HTML5, React, TypeScript, ES6, JavaScript, JSON and jQuery to create UI web pages.
* Designed and developed secure authentication and encryption layers for AR applications using Java, ensuring the confidentiality and integrity of user data.
* Experience in the design and development of web-based applications using Java, JDBC, PL/SQL, Servlets, JSTL, JSP.
* Developed and Consumed REST based web Services using Java17 and Spring Boot and Dropwizard.
* Have done server-side scripting using Node.JS to develop the applications, which are data intensive real time applications that run on distributed devices.
* Involved in Technical design, Development of Automated and Manual Actimize alerts for the customers across the bank
* Migrated Java-based microservices from Pivotal Cloud Foundry (PCF) to Red Hat OpenShift (OCP), ensuring seamless compatibility and improving application scalability across distributed systems
* Developed business modules in Cobol/CICS/DB2/MQ programs including DB2 store procedures for saving applications.
* Built GraphQL API as a middle layer to aggregate and query from UI to backend APIs. Used Insomnia to test GraphQL queries.
* Used Spring and hibernate as well to develop REST web services to fetch and provide data from various data systems. Used NodeJS for server-side, Bootstrap for client-side development.
* Worked on developing a new UI application for Retail Me Not with Php and Laravel along with Cloudflare and Redis caching through terraform.
* Implemented end-to-end encryption for AR content, enhancing data privacy and compliance with industry standards
* Refactored legacy banking applications to a microservices architecture using Spring Boot, leveraging OpenShift’s Operators for automated scaling and lifecycle management
* Worked with Red Hat OpenShift Container Platform for Docker and Kubernetes, Used Kubernetes to deploy scale, load balance, scale, and manage Docker containers with multiple namespace versions.
* Implement native method calls from Java to C/C++ and converted C/C++ code to Java for socket implementation of TCP/UDP/SIP messages across each gateway platform.
* Developed Actimize customized models using Actimize Visual Modeler
* Built and optimized Flink-based data streams to process and analyze real-time transactional data, ensuring accuracy and low-latency insights for fraud detection and transaction monitoring.
* Designed and maintained Java-based POS systems using microservices architecture, optimizing transaction processing for high-volume retail environments.
* **Utilized AWS RDS (Relational Database Service)** to manage databases such as PostgreSQL and MySQL, configuring automated backups, performance tuning, and multi-AZ replication.
* Developed and integrated RESTful APIs for seamless communication between POS systems and backend services, ensuring real-time updates and accuracy.
* Built scalable Java-based microservices using Spring Boot on the JVM. Experience in building distributed, scalable systems on the JVM can be directly applied to Scala-based frameworks like Akka and Play.
* Integrated multiple third-party payment gateways such as Stripe, PayPal, and Authorize.Net, ensuring secure and efficient payment processing while maintaining PCI-DSS compliance.
* Implemented MEAN Stack (MongoDB, Express.JS, AngularJS, NodeJS) with RESTful stands.
* Developed search application for autocomplete and search behavior on home page using Elasticsearch db. in the backend and integrated with UI in ReactJS.
* Deployed and managed Java-based microservices on Pivotal Cloud Foundry (PCF), ensuring high availability and scalability for financial applications
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Modified CICS and batch COBOL programs that accessed DB2 tables
* Utilized React for its efficient data flow architecture to create a lightweight and render efficient web app that searched projects via the GitHub API through keywords.
* Developed the online web application using HTML5/CSS & JavaScript, Angular 13, Vue.js, Node.js, Spring Boot, Spring MVN and Bootstrap.
* Reduced the risk of AR-based phishing attacks by implementing robust user verification protocols.
* Experience in the design and development of web-based applications using Java, JDBC, PL/SQL, Servlets, JSTL, JSP.
* Utilized Python to fine-tune LLM models on internal code repositories, improving code recommendation accuracy by 25%. Integrated fine-tuned models into the backend for a developer assistance chatbot, using Flask for API exposure and AWS for deployment
* Implemented Scrum Methodology as Scrum Master by tracking daily scrums and bi-weekly meetings.
* Developed and integrated RESTful APIs using Java and Spring Boot. This aligns well with Scala's Play framework, making it easier to adopt Scala for building scalable web services and APIs.
* Worked with IAM policies to manage access controls and user roles across cloud-based enterprise applications.
* Implemented Site Reliability Practices: Collaborated with SRE teams to build highly available microservices for payment systems, ensuring 99.99% uptime using Spring Boot and AWS EKS.
* Access Management System: Developed role-based access control (RBAC) using Spring Security and OAuth 2.0 for POS systems, ensuring secure API usage across distributed microservices.
* Performance Optimization: Optimized SQL queries and integrated Redis caching to reduce API response times by 30%, handling peak loads smoothly.
* Enhanced existing IAM platforms to support cloud-based banking services, ensuring scalability and reliability.
* Developed optimized queries and stored procedures using MS-SQL and Oracle PL/SQL to enhance performance in high-volume transaction systems.
* Designed and implemented user authentication and authorization flows using Spring Security with JWT tokens to secure APIs and protect sensitive health data.
* Designed and implemented RESTful APIs for seamless data integration between microservices, enabling efficient real-time communication and data exchange across distributed systems."
* Developed unit tests in a Test-Driven Development (TDD) environment using Mockito to mock database calls and external APIs, leading to faster bug identification and higher code quality.
* Have done server-side scripting using Node.JS to develop the applications, which are data intensive real time applications that run on distributed devices.
* Used Spring and hibernate as well to develop REST web services to fetch and provide data from various data systems. Used NodeJS for server-side, Bootstrap for client-side development.
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Utilized React for its efficient data flow architecture to create a lightweight and render efficient web app that searched projects via the GitHub API through keywords.
* Developed data models using Hibernate Object relational mapping (ORM) framework and used Hibernate Annotations to reduce time at the configuration level.
* Developed a front-end mobile application using React Native, Redux, Flex and JavaScript.
* Implement user authentication and authorization mechanisms using Spring Security. Ensure that only authorized users can access certain features and data within the application.
* Deployed and managed Kubernetes clusters using AWS EKS, ensuring high availability, scalability, and security.
* Configured EKS clusters with auto-scaling groups, node groups, and managed node groups to optimize resource utilization.
* Developed spring boot microservices for AI/ML applications.
* Utilized Helm charts for packaging, deploying, and managing Kubernetes applications within EKS clusters.
* Used GIT for version control, and GitHub actions for Continuous Integration and Continuous Deployment (CI/CD).
* Deployed and managed containerized microservices using Rancher to ensure high availability and scalability, streamlining application orchestration and monitoring
* Used RabbitMQ queues to process messages from source database to downstream consumers. Developed integration solutions with RabbitMQ using its APIs and client libraries in Java facilitating seamless communication between diverse applications.
* Used Maven to build and deploy applications on Apache Tomcat.
* Maintained the user accounts (IAM), RDS, Route 53, VPC, RDB, DynamoDB, SES, SQS and SNS services in AWS cloud.
* Used GIT for version control, and GitHub actions for Continuous Integration and Continuous Deployment (CI/CD).
* Used Insomnia to test GraphQL queries and Rest APIs

**Environment:** Java17, J2EE, Spring3.0, HTML5, CSS3, Hibernate, Spring Boot, Drop wizard, Microservices, Spring Kafka, jQuery, Oracle, XML, COBOL, Angular 13, React Js, PCF, IAM,AWS, PostgreSQL, PL/SQL, JavaScript, MVC Framework, MariaDB, Maven, JUnit, Log4j, Red Hat, Terraform, Actimize, GIT, SOAP UI, Postman, C++, Linux, Docker, Kibana, Elastic Search, Windows XP, Agile scrum, Kubernetes.

**Anthem, Atlanta, GA Jun 2021 – Feb 2023**

**Full Stack Java Developer**

**Responsibilities:**

* Designed, developed, tested, implemented, and supported applications using Microservice Architecture – Cloud Native (AWS).
* Automated data processing tasks with Python scripts.
* Developed a web-based client application implementing MVC Architecture using the Spring framework.
* Developed and optimized claims workflows within HealthEdge’s HealthRules Payor (HRP) system, reducing processing time by 20% and improving accuracy in financial reconciliation and claims handling.
* Managed and configured Linux servers for optimal performance and security.
* Configured and optimized AWS environments with CloudFormation for large-scale data migrations.
* Developed a high-availability, scalable microservices architecture using DropWizard and Docker.
* Implemented a Graph Database (GraphDB) application for movies and actors using Neo4J.
* Developed and deployed HIPAA-compliant applications on PCF, utilizing Azure Blob Storage for unstructured data storage and Terraform to provision hybrid cloud infrastructure across Azure and AWS.
* Developed and maintained enterprise-level applications using Java Server Faces (JSF), Prime Faces, and Spring Boot.
* Implemented multi-threading and asynchronous processing to reduce latency and handle peak transaction loads efficiently, ensuring high availability.
* The ability to migrate existing on-premises apps and infrastructure to the Azure Cloud with little downtime and maximum efficiency.
* Developing Web Pages by using HTML5, CSS3, jQuery, JavaScript and working knowledge of Angular 12, bootstrap.js, Vue.js and React.js
* Applied functional programming principles using Java Streams and Lambdas for asynchronous processing and multi-threading. This exposure to functional programming concepts provides a solid foundation for working with Scala's functional programming features.
* Integrated IAM systems with cloud platforms like AWS, Azure, or GCP to support hybrid healthcare environments
* Configured and maintained Single Sign-On (SSO) and Multi-Factor Authentication (MFA) for enhanced security in compliance with HIPAA regulations.
* Developed secure payment flows using Spring Security and OAuth 2.0, safeguarding sensitive data and ensuring compliance with security protocols.
* Integrated SonarQube with Jenkins and other CI/CD tools, automating code quality checks as part of the build pipeline, ensuring that issues are identified and addressed early in the development lifecycle.
* Developed real-time messaging systems using Java, JSON, and Kafka.
* Led the migration of HIPAA-compliant healthcare applications from Tanzu Application Service (TAS) to OpenShift, optimizing workloads using OpenShift’s container orchestration and Kubernetes-native tools
* Developed various software applications (batch and online processing) on Mainframe system using COBOL, DB2, IMS DB/DC, CICS, MQ Series, EZtrieve and DB2 store procedure as well as project implementation.
* Worked with distributed systems using Apache Kafka and NoSQL databases (Cassandra). These technologies are widely used with Scala in high-performance, distributed environments like Spark and Akka Streams.
* Developed back end modules using C++ and XML.
* Led development of a scalable microservices architecture with Java Spring Boot and TypeScript.
* Assisted in deploying and scaling Kafka clusters.
* Developed an intelligent chatbot powered by fine-tuned LLMs, integrated with internal knowledge bases and support tickets, offering real-time assistance for developer queries and troubleshooting. Enhanced the chatbot's performance by leveraging fine-tuning techniques on domain-specific data.
* Developed data models using Hibernate Object relational mapping (ORM) framework and used Hibernate Annotations to reduce time at the configuration level.
* Built a robust solution for real-time monitoring and resolution of transaction failures in HRP, ensuring high availability in claims processing and improving member service response times.
* Developed and maintained Java-based POS systems with microservices architecture, optimized for high-transaction retail environments, similar to Jumpmind Commerce.
* Configured Struts-based applications with advanced validation mechanisms, improving form handling and user input validation while ensuring application security.
* Integrated healthcare microservices deployed on OpenShift with Azure Kubernetes Service (AKS) and AWS Lambda, ensuring high availability and fault-tolerant workflows for critical data pipelines
* Worked closely with cross-functional teams to ensure SOA solutions aligned with business requirements, providing a scalable and adaptable architecture for future needs.
* Integrated Dynatrace with CI/CD pipelines, enabling continuous monitoring and proactive issue detection, reducing downtime during deployments and enhancing overall system reliability.
* Designed and optimized rule-based systems with Drools, ensuring scalable and maintainable rules management, allowing dynamic updates without code changes.
* Integrated SOAP and RESTful Web Services with WebSphere, enabling seamless communication and data exchange between distributed systems.
* Used AJAX and JavaScript for validations and integrating business server side components on the client side within the browser. Developed front-end user interfaces with ReactJS by creating many components and modules.
* Led complex API integration projects with third-party services, utilizing secure protocols like OAuth 2.0 and ensuring high performance, scalability, and data accuracy across platforms
* Worked on developing a new UI application for RetailMeNot with Php and Laravel along with Cloudflare and Redis caching through terraform.
* Worked on technical changes for billing payment (NACHA) applications using COBOL, DB2, Easytrive, Assembler, VSAM, and JCL.
* Developed IAM solutions with Electronic Health Record (EHR) systems like Epic, Cerner, or similar platforms.
* Collaborated with development teams to ensure smooth integration of Oracle databases with Java applications, optimizing backend performance and scalability.
* Worked extensively with OAuth 2.0 flows to secure RESTful APIs and microservices, implementing Client Credentials and Authorization Code flows for sensitive data protection.
* Implemented Linux features on Windows via VMs, UIs, and cloud shells in GCP
* Developed a real-time dashboard application using React and WebSocket.
* Deployed Spring Boot applications using Cloud Foundry (CF).
* Deployed and managed Spark applications on distributed platforms like Hadoop, AWS EMR, or Databricks, ensuring fault-tolerance and data consistency.
* Implemented authentication, authorization, and session management in ExpressJS, ensuring secure access to backend resources for web and mobile applications.
* Integrated Kotlin into microservices architecture, improving modularity and efficiency in service communication and data processing.
* Deployed APIs in cloud environments, particularly Google Cloud Platform (GCP), utilizing GCP services

like Cloud Endpoints, Cloud Functions, and Kubernetes Engine for scalable, resilient API management.

* Built GraphQL APIs to enable flexible data querying and minimize over-fetching of data, resulting in faster application response times.
* Automated builds, tests, and deployments for the insurance claims platform using GitHub Actions, ensuring rapid and reliable delivery across development and production environments
* Following Quality assurance of the application through use of SONARQUBE.
* Publishing APIs and managing full lifecycle deployments, leveraging tools like Apigee and Google Cloud API Gateway to ensure seamless integration, security, and versioning across microservices architectures.
* Integrated One Data App into existing architecture to enhance data analytics and visualization capabilities, improving decision-making processes across the organization.
* Developed stored procedures, triggers, functions, and packages in Oracle SQL, NoSQL, PL/SQL.
* Built real-time conversational AI platforms for businesses, enabling seamless integration of voice and text-based interfaces with backend systems to provide personalized user experiences.
* integrated Power BI with Java-based systems to enable seamless data flow, allowing for up-to-date reporting and analytics across various business units.
* Created RESTful and SOAP-based APIs for various client applications
* Integrated a distributed order processing system using Spring Boot, JMS, and IBM MQ, handling millions of transactions daily with high availability and fault tolerance.
* Collaborated with senior developers to implement REST and GraphQL APIs, allowing seamless communication between front-end and back-end services
* Used MongoDB for product Catalog and user data, ensuring high availability and scalability.
* Expertly crafted dynamic, data-driven web interfaces using JSP, enhancing user interaction and streamlining the presentation layer of complex enterprise systems.
* Enhanced user experience by implementing a component-based architecture with React and Redux.
* Preparing the Bamboo Build Scripts for the CI/CD.
* JUnit Testing using Jupiter, Web Test Client.

**Environment:** J2EE, Java 11, Spring Boot 2.6, Web Flux (React), JavaScript, Kubernetes (Helm), Amazon Web Service (Route 53, NLB, NAT Gateway, S3, AWS, Azure, Angular 10/12, PFC, Terraform, IAM,HTML5, MVC, HRP, Hibernate, EKS, ECR, CloudFormation, KMS, COBOL, Aurora - PostgreSQL), jQuery, GIT, Imperva (WAF), APIGEE, SOAP & Restful Web Services, Bamboo, Fortify, Nexus, Spark, IntelliJ, Gradle – Kotlin.

**AT&T, Dallas, TX Dec 2018 to May 2021**

**Full Stack Java Developer**

**Responsibilities:**

* Effective single page application and used angular cookies to temporarily store the data used in this

application.

* Created RESTful APIs in Java environment using JAX-RS and Node.JS using Express.JS framework.
* Designed and implemented a migration strategy for telecom services from Tanzu Kubernetes Grid Integrated Edition (TKGI) to OpenShift, achieving 99.99% application uptime during the transition
* Developed Open stack API to Integrate with GCP (Google Cloud), including creating build images and publishing to artifactory, high availability practices and deploying backup/restore infrastructure.
* Used KAFKA to load the data on Hadoop File system and move the same data to MongoDB - NoSQL database.
* Implemented Service Oriented Architecture (SOA) using JMS for sending and receiving messages while creating Restful web services.
* Built a real-time messaging system for telecom services using Apache Kafka on PCF, integrating AWS Redshift for data analytics and enabling fault-tolerant processing of event streams.
* Developed and implemented Legacy system programs by using COBOL, DB2, CICS, JCL, JAVA and VSAM.
* Used Ember.js templates that help to automatically update the model if contents of applications get changed.
* Big Data Integration with Kafka and Spark: Built real-time messaging systems integrating Apache Kafka with Spark to process high-volume data in real-time, enhancing data flow for AT&T's customer interactions and billing system.
* Fault-Tolerant Workflows with Flink: Developed Apache Flink workflows for fault-tolerant and scalable processing of streaming data, facilitating real-time updates in customer service dashboards and providing actionable insights for immediate decision-making.
* Configured Prometheus and Grafana to monitor OpenShift-hosted applications, improving performance metrics visibility and reducing incident response times by 40%.
* Followed Java & J2EE design patterns and the coding guidelines to design and develop the application.
* Consume REST based Microservices with REST template based RESTful API and utilize spring cloud to manage the complexity.
* Real-Time Messaging with Kafka: Developed real-time messaging systems using Kafka and integrated RabbitMQ for fault-tolerant workflows, ensuring smooth payment processing.
* Develop the backend logic using Spring Boot. This includes implementing RESTful APIs for various functionalities such as user authentication, search, booking, payment processing.
* Utilized RabbitMQ to implement fault-tolerant payment workflows, ensuring smooth processing even during system failures or outages.
* Developed real-time messaging systems using Apache Kafka and integrated with RabbitMQ for fault-tolerant workflows. This experience with real-time data streaming aligns with Scala's use in big data technologies, particularly Apache Spark.
* Used React JS in development of the web application to bind the data/model that is being retrieved from a database through services provided in a controller to the view using scope.
* Worked on creating Restful API's using Ember.JS to be consumed by the backend.
* Developed python scripts to migrate information from Oracle to MongoDB.
* Used Hibernate, ORM solution technique of mapping data and involved in creating Hibernate POJO Objects and mapped using Hibernate Annotation.
* Deployed the code in Jenkins server and setting up Docker Containers with Docker Swarm for continuous integration and build.
* Developed a Python-based pipeline to generate embeddings for large-scale data sets and stored them in a VectorDB (Pinecone) to enhance retrieval and similarity searches, improving data access by 30%
* Designed DOM based interactive to reprogram selected links and adopted WCAG 2.0 standards for HTML and XHTML and W3C standards for CSS as well.
* Proficient in integrating and extending POS systems with third-party payment gateways, and familiar with key POS functionalities like real-time inventory management, payment processing, and transaction handling, which align with Jumpmind Commerce features.
* Developed SOAP/REST based web services supporting XML and JSON message formats. Performed Benchmarking and Load testing using Cassandra-stress tool.
* Worked with Apache Kafka JMS and RabbitMQ as the message-oriented middleware. Modified CSS- driven layouts and manipulate the visual layout, especially during code-freeze.
* Worked with task runner GULP, Jasmine test framework and Test-Driven Development (TDD).
* Created interactive data charts on Customer portal web application using High charts JavaScript library with data coming from Apache Cassandra. Build REST web service by building Node.js Server in the back end to handle requests sent from the front-end jQuery Ajax calls.
* Designed and implemented the logging mechanism using SVN as a version control tool and Ant for building and deploying the application.

**Environment:** HTML, CSS, Java 8, SQL, Angular8, jQuery,PFC,Microservices, SVN, Gitlab 7.0, J2EE, Spark, JavaScript, MVC Framework, Oracle 12c, Apache, Splunk, React Js, Restful, JSON, XML, JUnit 4.9, Spring 4.2, Spring Boot, Spring AOP, Spring Hibernate, JBoss, Jenkins, Gradle, Docker, Kubernetes.

**Hexaware, Limited, India May 2015 to Jul 2017**

**Sr. Java Developer**

**Responsibilities:**

* Identified business requirements of the project. Used CSS, HTML, JavaScript, jQuery, AJAX for creating interactive web Application. Involved in development of Spring DAO layer which invoked database queries.
* Wrote PL/SQL stored procedures, Prepared statement and used API. Involved in developing the CSS sheets for the UI Components. Data modeling and development experience in Cassandra or other NoSQL databases
* Involved in writing the exception and validation classes using Struts validation rules. Used Web Sphere Application Server for deploying various components of application. Involved in various phases of Software Development Life Cycle (SDLC).
* Used Spring AOP for cross cutting concerns like logging, security and transaction management.
* Persistence layer was implemented using Hibernate Framework. Front - end is designed by using HTML, CSS, JSP, Servlets, JSTL, Ajax and Struts.
* Involved in developing the CSS sheets for the UI Components.
* Monitored the error logs using Log4J and fixing the problems. Used Log4j to capture the log that includes runtime exceptions and debug information.
* Involved in writing and executing stored procedures, functions and triggers for Oracle to create a Database Management System. Successfully executed all the test cases and fixed any bugs/issues identified during the test cycles.
* Created/updated the swagger files to configure the definition objects or parameters of service end points.
* Applied Spring AOP and DAO patterns to manage cross-cutting concerns like logging and security. These functional programming concepts, used in the context of Spring, provide a strong foundation for working with Scala's functional programming features such as pattern matching and immutability.
* Used React JS to create views to hook up models to the DOM and synchronize data with server as a Single Page Application (SPA). Worked on various Life & Retirement modules in developing custom screens using ReactJS framework.
* Used Junit for unit testing. Developed view components using JSP pages used in combination with Servlets that handles business logic. Implemented test cases and performed automation testing using JUnit Framework
* Used JavaScript for web page validation. Created and modified Stored Procedures, complex SQL Commands for the application using PL/SQL.
* Implemented hibernate mapping like one to one, one-to-many and Many-to-Many based on Requirement. Used JIRA for defect management and effective tracking of bugs and Git for version control
* Involved in migrating existing monolithic application into Micro Service Architecture based RESTful Service and deployments were done using Docker into AWS EC2 container service using AWS admin console.
* Built real time engine which can process information and push notifications to Apple Push Notification service and Google Cloud Messaging Service using Apache Kafka and Apache Storm.
* Experience in managing and maintaining Identity and Access Management (IAM) policies for organizations in AWS to define groups, create users, assign roles and define rules for role-based access to AWS resources.
* Implemented Model View Controller modules and design patterns. Developed and debugged the Servlets and EJB with Web Sphere Application server. Used SOAP for Web Services by exchanging XML data between applications over HTTP.
* Deploy the Spring Boot application to a production environment, ensuring scalability, reliability, and security. Configure monitoring and logging tools to track application performance and detect errors.
* Collaborated with multiple teams to implement requirements and deploy the releases. Created test plan documents for executing the scripts on major enhancements. Developed JUnit test cases as part of the Test-Driven Development approach. Used Log4J for debugging and error logging.
* Implemented the Persistence/DAO layer using Hibernate. Involved in creating Web Services using a Top-Down approach. Built multiple template standards to create modals
* Developed MVC framework Spring and ORM tools such as Hibernate.
* Used MySQL as backend database and developed business logic using Core java and Spring MVC for processing the front-end request and to fetch the data from the database.
* Designed the data layer using a combination of SOAP and Restful web services.

**Environment:** SOA, HTML, CSS, SaaS, AJAX, React Js, Microservices, jQuery, JavaScript, Spring Boot, IAM,Angular 6, SOAP, JAX-RS, Jersey, Swagger, Hibernate, Spring, Spring Batch, WSDL, Spring AOP, Oracle DB, Karma, Jasmine, Jenkins, AWS, JWT.

**eClerx, India Sep 2014 – Apr 2015**

**Java/J2EE Developer**

**Responsibilities:**

* Followed Agile methodology meetings to track, optimize, and develop sequence diagrams depicting method interactions, using MS Visio.
* Developed application using Spring MVC, JSP, JSTL, and AJAX on the presentation layer, the business layer is built using Spring, and the persistent layer uses Hibernate.
* Data Operations were performed using Spring ORM wiring with Hibernate and Implemented Hibernate Template and criteria API for the Querying database.
* Developed various J2EE components like SAX, XSLT, JAXP, JNDI, LDAP, JMS, and MQ Series.
* Used AJAX in suggestive search and to display dialog boxes with JSF and DOJO for front-end applications.
* Implemented all the components of the Spring Framework (Controller classes, Spring Bean Configuration file (dispatcher-servlet.xml).
* Developed user interfaces using JavaScript, React JS, HTML, CSS custom tags.
* Developed Web Services using XML messages that use SOAP. Developed Web Services for Payment Transaction and Payment Release.
* Used WSDL and SOAP protocol for Web Services implementation.
* Worked in the Struts framework based on MVC Architecture.
* Wrote stored procedures, and SQL scripts in Oracle for Data Accessing and manipulation.
* Compiled and built the application using ANT scripts and deployed the application.
* Configured and created application log files using Log4J.
* Actively involved in code reviews and bug fixing.
* Participated in the status meetings and status updates to the management team.

**Environment:** HTML, CSS, Java/J2EE, JSP, JSTL, JSF 3.0, AJAX, JavaScript, Hibernate 4, Spring, Servlets, XML, web services, WSDL, SOAP, Oracle 10g, ANT, Log4J

**Education Details:**

**Bachelor’s**: B-Tech in Computer Science from TKR College of Engineering and Technology, Hyd. - (2014)