Vamsi Krishna

**Java Full Stack developer** **||** **vamsikrishn113@gmail.com** **|| 945.451.6722**

**Summary of Experience:**

* With **8+ years** of experience in **full-stack development**, I have been involved in all phases of the software development lifecycle, including **design**, **development**, **implementation**, and **testing** of **web-based applications**.
* Extensive experience in building dynamic and interactive UI-rich web applications using **HTML5, DHTML, CSS3 (Sass, LESS), Bootstrap, JavaScript (ES5 & ES6), jQuery, and AJAX**.
* Proficient in React.js, including **Virtual DOM, component-based architecture, Redux**, and package management via **NPM and Bower**.
* Experience with various JavaScript frameworks and design patterns, including **AngularJS, Backbone.js, Ember.js, and Knockout.js**.
* Experienced on Big Data in implementing end - to-end Hadoop solutions and analytics using various Hadoop distributions like Cloudera Distribution of Hadoop (CDH), Hortonworks sandbox (HDP) and MapR distribution.
* Hands-on expertise with **Angular 2.x, 4.x and 8x** developing modular and scalable applications using **TypeScript** and **Angular CLI**.
* Developed enterprise applications using Scala.
* Strong background in **SPA (Single Page Application) development** using the **MEAN (MongoDB, Express.js, Angular, Node.js) stack**.
* Hands on experience in installing, configuring and using Apache Hadoop ecosystem components like Hadoop Distributed File System (HDFS), MapReduce, PIG, HIVE, HBASE, Apache Crunch, ZOOKEEPER, SCIOOP, Hue, Scala, Solr, Git, Maven, AVRO, JSON and CHEF.
* Experience developing **server-side applications** using **Node.js (Hapi.js, Express.js)**, leveraging its non-blocking, event-driven architecture.
* Expertise in working with Java, particularly **Java SE 8**, covering **Streams API, Lambda expressions, Generics, Multithreading, Transaction Management, and Exception Handling**.
* Skilled in enterprise application development using **Spring, Struts, Servlets, and JSF (PrimeFaces)**.
* Strong proficiency in **Spring ecosystem**, including **Spring MVC, Spring Boot, Spring REST, Spring AOP, Spring Security, Spring Batch, Spring DAO, and Spring Data**.
* Implemented design patterns in Scala for the application.
* Experience in designing **microservices architectures** using Spring Boot, exposing and consuming **RESTful APIs**.
* Proficient in **SOAP-based web services** using **Apache CXF, Axis2, WSDL, and JAX-WS**.
* Strong knowledge of **relational databases** (PostgreSQL, MySQL, DB2, Oracle 13c/11g) and **NoSQL databases** (MongoDB, Cassandra, CouchDB, Redis, DynamoDB).
* Develop quality code adhering to Scala coding Standards and best practices.
* Implemented design patterns in Scala for the application.
* Expertise in ORM frameworks such as **Hibernate, Spring Data, JPA, and iBatis**, as well as NoSQL-based ORM tools like **Mongoose Connector and Cassandra Node Driver**.
* Implemented authentication and authorization mechanisms using **OAuth 2.0, OIDC, JWT (JSON Web Token), Spring Security, and SiteMinder (SSO)**.
* Experience working with **message queue services**, including **IBM MQ, RabbitMQ, ActiveMQ, and Apache Kafka**.
* Develop quality code adhering to Scala coding Standards and best practices.
* Proficient in unit testing frameworks like **JUnit and Mockito**, test automation tools like **Selenium**, and behavior-driven testing with **Cucumber**.
* Hands-on experience in **Test-Driven Development (TDD)** and quality assurance tools such as **SonarQube**.
* Experience in **CI/CD pipelines**, integrating **Jenkins, Bamboo, and Apache Subversion (SVN)** for continuous development and deployment.
* Expertise in **AWS services**, including **EC2, S3, EBS, ELB, API Gateway, Route 53, CloudFront, Auto Scaling, Elastic Beanstalk, VPC, CloudWatch, CloudTrail, RDS, SNS, and SQS**.
* Hands-on experience with **Docker, Puppet, and Chef** for containerization and infrastructure automation.
* Familiarity with **Spring Cloud Netflix OSS Stack**, utilizing **Ribbon (client-side load balancing), Zuul (API Gateway), Eureka (service registry), and Hystrix (circuit breaker for fault tolerance)**.
* Worked with build automation tools like **Maven, Gradle, and Ant** for compiling, packaging, and deploying applications.
* Experienced in **UNIX and Shell scripting** for automation and deployment tasks.

**Certifications: Aws Certified DevOps Engineer (Professional)**

**Technical Skills:**

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| **Languages:** | Core Java, SQL, PL/SQL, XML, XSL |
| **Frameworks** | **Backend Frameworks:** Java (8,11,17,21), J2EE, Spring Boot, Spring WebSocket, Spring JPA, Spring Cloud, Spring Security, Spring Data, Spring WebFlux, Spring AOP, Spring Batch, Spring Integration, Spring AMQP, Spring MVC, Scala, JSP, EJB, JSF, Struts, Primefaces, Servlets, Microservices, RESTful APIs, Hadoop, GraphQL, SOAP, Akana, Swagger, Apigee, Apache camel, Monolithic, MuleSoft.**UI Frameworks:**HTML5, CSS3, JavaScript, TypeScript, ECMA, Angular (8,1114,16,17,18), react (13,16), Vue.Js, Express JS, NodeJS, AJAX, JSP, Redux, Context API and NgRx, Akita. Bootstrap, Material UI, XML, JSON.**Testing Frameworks:** Karma/Jasmine (Angular), Jest (React), JUnit, Mockito, Test-Driven Development (TDD), Pact (contract testing), Cucumber, Step definitions, Postman, SoapUI, Selenium, Cypress, TestNG, JMeter, LoadRunner, Appian |
| **Cloud Services** | **AWS Services:** S3, Lambda, CloudFormation, Fargate, CloudWatch, EC2, ECS, EKS, Glue, RDS, SNS, Kinesis, IAM, Load Balancer, Auto Scaling.**Azure Services:** App Service, Functions, AKS, Cosmos DB, Databricks, Key Vault, Synapse Analytics.**GCP Services:** Compute Engine, Cloud Functions, App Engine, Cloud Storage, Cloud Spanner, Cloud Operations Suite.**Pivotal Cloud (PCF):** Cloud-native application deployment and management. |
| **Databases** | **SQL DB’s:** SQL Server, Oracle 9i/10/11/12c,18, MySQL, PostgreSQL, DB2, JDBC, Wildfly, SSRS Reports, JPA, Hibernate, Toad, IBM Data Studio, AWS RDS, Redis**NO SQL:** Aws OpenSearch, Elastic search, Neo 4j, MongoDB, Cassandra, cosmos |
| **DEVOPS/Monitoring** | Grafana, Kibana, ELK, Splunk, AWS CloudWatch, Google Cloud Operations Suite, Azure Monitor, New Relic, Dynatrace, Datadog, Prometheus, AppDynamics, PagerDuty, Jenkins, TeamCity, GitLab, Docker, Kubernetes, OpenShift, Terraform, Chef, Puppet, Ansible, Prometheus, Grafana, Nexus, Helm, Concourse. |
| **Messaging** | Apache Kafka, Spring Kafka, RabbitMQ, WebSphere MQ, Spring JMS, Apache Camel, AWS Glue, Kinesis, Control-M, Quartz, Spring Web Flux, gRPC, completable Future, Web Sockets. |

**Client: Cigna Health Care May 2024 – Till Date**

**Role: Senior Full Stack Java Developer**

**Roles and Responsibilities:**

* Followed **Agile Scrum methodology** for iterative and incremental software development. Experienced in **Test-Driven Development (TDD)** practices.
* Developed **UI components** using **Spring MVC, JSP, JSTL, HTML5, CSS, JavaScript, jQuery, AJAX, and AngularJS**.
* Created **reusable modules and custom directives** in **Angular 2.0,8x** for better code reusability.
* Implemented **AngularJS Controllers** to manage view data and leveraged **Angular Services** for API calls.
* Extensively tested controllers using **AngularJS built-in testing tools**.
* Worked with **multithreading, concurrency, file I/O, exception handling, JDBC, and Java collections framework**.

Utilized **Java 8 features** like **Lambda expressions** and **Streams API** for efficient data processing.

* Applied **design patterns** such as **Singleton, Factory, DAO, and MVC** for scalable application development.
* Developed **microservices-based applications** using **Spring Boot**, exposing and consuming **RESTful APIs**.
* Used **Spring Core annotations** for **dependency injection**, **Spring MVC** for **REST API development**, and **Spring Cloud** for distributed tracing.
* Confidential data through spark and apply transformations rules.
* Developed MapReduce/Spark Python modules for machine learning & predictive analytics in Hadoop on AWS. Implemented a Python-based distributed random forest via Python streaming.
* Implemented solutions using Hadoop, Apache Spark, Spark Streaming, Spark SQL, HBase and Scala.
* Develop quality code adhering to Scala coding Standards and best practices.
* Developed Scripts and Batch Job to schedule various Hadoop Program.
* Used Spark API over Hortonworks, Hadoop YARN to perform analytics on data in Hive.
* Developed Data Ingestion application to bring data from source system to HBase using Spark Streaming, Apache Kafka.
* Created **POJOs and DAOs** with **Spring JDBC annotation mappings** to interact with databases.
* Developed and tested **ETL tools** for loading **XML data into Oracle databases** using **JPA/Hibernate**.
* Executed Hadoop/Spark jobs on AWS EMR using programs, data stored in S3 Buckets.
* Worked extensively with **NoSQL databases (MongoDB)** for managing large-scale data.
* Configured **Hibernate mappings** and developed persistence layers using JPA/Hibernate.
* Integrated **ActiveMQ** and **Spring JMS API** for asynchronous messaging.
* Worked with **WebSphere MQ**, setting up **MDB listeners, JMS resources, and queues**.
* Implemented **RESTful web services** using **JAX-RS (Jersey) and JAX-WS (SOAP-based services)**.
* Deployed applications on **AWS**, utilizing services for scalability.
* Configured **WebSphere Application Server** for **horizontal and vertical scaling**.
* Set up **Continuous Integration (CI/CD) pipelines** using **Jenkins** for automated deployment and testing.
* Used **Maven** for build automation.
* Worked in Spark to read the data from Hive and write it to Azure Data Factory.
* Implemented **UI testing** using **Selenium WebDriver and Protractor**.
* Configured Spark Core to retrieve data from HDFS and transform using RDD and Dataframe API.
* Set up **automated testing** with **Cucumber** and used **TestNG** for integration tests.
* Used **Log4j** for logging and debugging and **JIRA** for issue tracking and project management.
* Managed **GIT repositories** for version control and collaboration.

**Environment:** Agile, Java 8, Spring Boot, Microservices, Spring (IOC, AOP, JDBC), Hibernate, JPA, RESTful APIs, SOAP, Angular 2and 8, JSP, JavaScript, jQuery, AJAX, XML, Maven, AWS, Hadoop, WebSphere Application Server, MongoDB, Spark, NoSQL, ActiveMQ, JMS, WebSphere MQ, Log4j, Jenkins, JIRA, Selenium WebDriver, Protractor, Cucumber, GIT, Socket Programming.

**Client: Citizens Financial Group Jan 2023 – May 2024**

**Role: Senior Full Stack Java Developer**

**Roles and Responsibilities:**

* Developed a **Microservice-Oriented** application using **React.js** for the front end and **Spring Boot** for back-end services.
* Built and implemented UI views using **HTML5, CSS3/LESS, Bootstrap 4.0, and AJAX**.
* Developed a **single isomorphic responsive website** to support desktop, tablet, and mobile users using **React.js**.
* Created **Bootstrap components** in **React.js** linked with API data to dynamically render the Virtual DOM.
* Utilized **React Router** for Single Page Application (SPA) development with dynamic data binding.
* Implemented **Redux framework architecture** (Reducers, Containers, Saga) for data integration in React applications.
* Utilized **Flux pattern** through **Redux** to manage application state effectively.
* Integrated **React-Native** concepts for interactive UIs.
* Used **Axios AJAX** requests to retrieve and display data efficiently.
* Developed components and services using **Angular 4**.
* Utilized **Angular CLI** for component and service generation.
* Integrated **built-in HTTP services** for backend communication via RESTful APIs.
* Implemented **Pipes** for data transformation and sorting.
* Developed RESTful APIs using **JAX-RS in Jersey** for data exposure to Spring modules.
* Designed a **Spring Boot-based microservices** architecture with dependency injection using **Spring IOC**.
* Utilized **Spring Security Module**, including **OAuth 2.0, OpenID Connect, and Site Minder**, for authentication and authorization.
* Deployed microservices using **Spring Cloud – Netflix OSS stack** (Ribbon, Hystrix, Zuul, Eureka service registry).
* Worked with **Spring Data** ORM framework for database interaction.
* Used **Hibernate** as an ORM tool for persistent data storage.
* Implemented **Spring AOP for transaction management, logging, and profiling**.
* Developed and optimized stored procedures and database queries for **Oracle DB and MySQL**.
* Worked with **Spring Batch** to process and convert XML files into database records.
* Integrated **Apache Kafka** for real-time, asynchronous communication between services.
* Implemented **Spring AMQP’s RabbitMQ** for message queueing.
* Utilized **IBM MQ** for enterprise messaging solutions.
* Conducted **unit testing** using **Mocha and Chai** for React components.
* Performed **Behavioral and Integration testing** using **Cucumber and Selenium**.
* Configured **Jenkins pipelines** for **Continuous Integration/Continuous Deployment (CI/CD)**.
* Utilized **Pivotal Cloud Foundry (PCF)** for microservices deployment and domain management.
* Configured **Webpack** for building, linting, transpiling, and testing.
* Created and managed **Docker-based deployments** with middleware and applications bundled.
* Used **Quartz Scheduler** for job scheduling in the application.
* Deployed **Drools rules** as a service in the **JEE stack**.

**Environment:** JavaScript, React.js-Redux, HTML5, CSS3-LESS, AJAX, Bootstrap, jQuery, Spring Security, RabbitMQ, Spring Data, Spring Batch, Quartz Scheduler, Hibernate, Microservices, RESTful Services, Jersey, Swagger, Eclipse Java EE IDE, Jenkins, Spring Cloud-Netflix, Splunk, Node Package Manager (NPM), Oracle DB, MySQL, Spring AOP, Spring Transaction Management, Docker, Ribbon, JUnit, Mockito, Mocha, Chai, Selenium, Cucumber, Cassandra DB, Gradle, JBoss, WADL, Webpack, Pivotal Cloud Foundry (PCF), Drools, IBM MQ, Kafka.

**Client: Wipro LTD Aug 2019 – Nov 2021**

**Role: Full Stack Java Developer**

**Roles and Responsibilities:**

* Participated in **requirements gathering, analysis, design, development, testing, and production deployment** using the **Waterfall model**.
* Developed responsive web applications using **HTML5, CSS3, Bootstrap, JavaScript, AngularJS, and React.js**.
* Utilized **jQuery** for UI enhancements, animations, and user interface customization.
* Implemented **CSS preprocessors (SASS)** for improved styling efficiency.
* Created additional UI components using **custom HTML tags in React.js**.
* Developed and optimized front-end interactions using **AJAX and Angular resources** for API communication.
* Built **Spring-based middleware components** for implementing business logic.
* Designed and developed **SOA-based architecture** using **RESTful and SOAP web services**.
* Developed **Java applications using Spring Framework, Spring Boot, Hibernate, and JDBC**.
* Implemented **RESTful APIs** following **API Design Guidelines** and documented APIs using **Swagger**.
* Utilized **Java Collections API, Generics, and multi-threading** for efficient data processing.
* Used **method references in Java 8** for code reusability and optimization.
* Designed and managed databases, including creating **PL/SQL stored procedures, functions, views, indexes, constraints, and triggers**.
* Performed **SQL query tuning** to optimize application response times.
* Worked with **NoSQL databases (MongoDB)** for handling large-scale data.
* Used **Git and GitHub Desktop** for version control, managing branches, and creating pull requests.
* Migrated version control from **SVN to GitHub** and managed code merges.
* Automated builds and deployments using **Maven scripts**.
* Configured **Jenkins pipelines** for **continuous integration and deployment (CI/CD)**.
* Assisted **QA teams** by writing test scripts and debugging application defects.
* Conducted API testing using **Postman and SoapUI**.
* Utilized **Log4j** for application logging, debugging, and monitoring.
* Developed **Linux shell scripts** for automating application deployment.
* Assisted in **Cisco network upgrades** for large-scale enterprise clients.
* Maintained **system upgrade logs** and provided reports for management.
* Upgraded applications from **Struts 1.x to Struts 2.x**, updating action classes accordingly.
* Managed **GitHub projects** and collaborated with teams for efficient code versioning.
* Used **JIRA** for tracking issues, sprint planning, and progress monitoring.

**Environment:** Agile, Waterfall, HTML5, CSS3, Bootstrap, JavaScript, jQuery, AJAX, AngularJS, React.js, XML, JSTL, JSP, Java, Java 8, Spring Framework, Spring Boot, Hibernate, JDBC, RESTful Web Services, SOAP, Swagger, Jenkins, Maven, MongoDB, NoSQL, Log4j, JIRA, Linux, Unix, SVN, Git, GitHub, Cisco Networking.

**Client:** **Flipkart, India Jan 2016 – Jul 2019**

**Role: Java Developer /AWS**

**Roles and Responsibilities:**

* Understood user requirements and participated in **Agile development** methodologies, design discussions, and **implementation feasibility analysis** for both **frontend and backend** development.
* Coded **Action classes, Java Beans, Service layers, and Business Delegates** to implement business logic using **JDK 8** features such as **Lambda Expressions, Streams, and Functional Interfaces**.
* Designed and developed responsive **User Interfaces** using **JSP, HTML5, CSS3, JavaScript (ES6), Bootstrap, JSTL, Custom Tags, Struts Tiles, and Struts Tag Library**.
* Utilized **Spring MVC** and **Spring Security** for authentication and authorization, replacing older Struts-based implementations.
* Worked with **RESTful Web Services** using **Spring Boot** and standard protocols like **JSON, XML, SOAP, and HTTP.**
* Migrated applications from **Struts 1 to Struts 2**, including converting **JSPs** and eliminating custom tags, and refactored legacy code for improved maintainability.
* Implemented **Hibernate ORM** for data persistence and **Spring Data JPA** for seamless database integration with **MySQL** and **MongoDB**.
* Used **JDBC drivers and HikariCP connection pooling** for optimized database performance in high-traffic applications.
* Developed applications using **IntelliJ IDEA** and deployed them on **WebLogic Server**, and containerized deployments using **Docker**.
* Worked with **Kafka and RabbitMQ** for asynchronous message processing to handle high-throughput order transactions.
* Integrated **Redis caching** to enhance the performance of frequently accessed Flipkart product and order details.
* Implemented **Elasticsearch** to improve product search and recommendations in Flipkart’s e-commerce platform.
* Used **Jenkins** for **CI/CD pipelines**, automating build, test, and deployment processes.
* Managed source code using **Git and Bitbucket**, ensuring proper version control and branch management.
* Worked with **Splunk and ELK Stack (Elasticsearch, Logstash, Kibana)** for real-time log monitoring and analytics.
* Implemented **microservices architecture** with **Spring Boot, Spring Cloud, and Netflix OSS (Eureka, Ribbon, Hystrix, Zuul)** for Flipkart’s scalable system.
* Designed and optimized **SQL queries** and **NoSQL (MongoDB, Cassandra)** solutions to handle Flipkart’s high-volume transactions.
* Developed and tested APIs using Postman and automated UI testing using **Selenium WebDriver**.

**Environment:** Java 8, Spring Boot, Spring MVC, Hibernate, Struts 2, RESTful Web Services, Microservices, Kafka, RabbitMQ, MySQL, MongoDB, Cassandra, Redis, Elasticsearch, Docker, Kubernetes, Jenkins, Git, Bitbucket, WebLogic Server, AWS EC2, S3, IntelliJ IDEA, Logback, ELK Stack, Splunk, Selenium WebDriver, Postman.