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**Cherukuri Eswar Naveen Kumar**

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**Sr. Full Stack Developer**

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| **CERTIFICATIONS:** |

**AWS Certified Solutions Architect - Associate (SAA) Feb '21- Feb '24**

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| **PROFESSIONAL SUMMARY:** |

* **Certified AWS Solution Architect with over all 8+ Years** of experience as **Java Full Stack Developer** with expertise in **Design**, **Development**, **Analysis** and **Testing** and **Implementation** of Distributed Web Based Applications and Client/Server Applications using **Java**/**J2EE** Technologies.
* Experienced in all stages of the Software Development Life Cycle (**SDLC**), from requirements gathering to **Testing** and deployment, adhering to **Agile** methodologies like **SCRUM** and **Waterfall**.
* Skilled in building responsive and intuitive user interfaces using HTML5, **CSS3**, and JavaScript frameworks/libraries like **Angular** and **React**, with a focus on enhancing user experience and accessibility.
* Strong experience developing Dynamic **Single Page Application** (**SPA**) using **MEAN** (**Mongo, Express Angular,** and **Node**) full-stack development tool kit.
* Extensive experience in **Java** development with proficiency in **Java 8**, **Java 11**, and **Java 17**, leveraging the latest features and enhancements to develop efficient and scalable applications.
* Implementing Core **Java** **SE** **8** concepts like **Streams** **API**, **Lambda** **functions**, **Functional** **programming**, and **Generics**.
* Extensive experience on Developing Web Applications using **Spring** **Core**, **Spring Boot**, **Spring** **Security**, **Spring** **MVC**, **Spring** **AOP**, **Spring** **Actuator**, **Spring** **ORM**, **Spring** **Data** **JPA** and **Spring** **REST**.
* Expertise in developing **SOA** (Service Oriented Architectures) and **Microservice** architectures using **J2EE** web services based on **RESTful** (**JAX**-**RS**), **SOAP** (**JAX**\_**WS**), **JAX**-**RPC**, and **JAXR** using frameworks like **Apache** **CXF**, **Jersey**, and **Apache** **Axis**.
* Demonstrated ability to architect and develop **Microservices**-based architectures leveraging technologies like **Spring Boot**, **Spring** **Cloud**, and **Kafka**, ensuring scalability, resilience, and performance optimization.
* Experience in implementing and deploying **Java** **EE** design patterns such as **Singleton**, **Abstract** **Factory**, **DAO**, **DTO**, and **Business** **Delegate** in the Development of Multi-Tier distributed Enterprise Applications.
* Good knowledge in building real-time dashboard applications using **Splunk**, **Elastic** **Search**, and **Logstash** (**ELK**) to profile and monitor the streaming data of the application.
* Experience in **Spring** **Security** Framework for User Access Management, JWT token-based authentication, and involved **OAuth** **2.0** configuration for authentication and authorization.
* Proven experience with Application Servers like **IBM** **Websphere**, **Oracle**/**BEA** **Weblogic**, **JBoss**, and **Tomcat**.
* Designed and executed data warehousing solutions with **Azure** Synapse Analytics, enabling real-time data analysis and supporting data-driven decision-making processes.
* Successfully deployed **Spring Boot**-based **Microservices** in **Docker** containers and **Amazon** **EC2** instances using **Jenkins**.
* Experienced in **MQ** services like **Apache** **Kafka**, **Rabbit MQ**, **Active** **MQ**, and **IBM MQ**.
* Substantial involvement in **UNIX** and **Shell** scripting to automate the **build** **scripts**.
* Experience in **Testing** with **Junit** Framework using **Mockito** and **Easy** **Mock**, **Spring** **Junit** **Runner**, **JMeter**.
* Good Knowledge in **Amazon Web Services (Amazon EC2, Amazon S3, Amazon Simple DB, Amazon Elastic Load Balancing, Amazon SQS, Amazon EBS, and Amazon CloudFront)** .
* Experience in database design and development of **PL/SQL** stored procedures and packages in relational databases like **Oracle**, **SQL Server, DB2**, **MYSQL**, and experience in implementing, designing, and developing NoSQL Databases like **MongoDB**.
* Extensive experience utilizing various **Integrated Development Environments (IDEs)** such as **Eclipse**, **IntelliJ**, **NetBeans**, and **Sublime** **Text**. Proficient in Build Tools including **Maven** and **Gradle**, alongside Logging tools such as **Log4j**.
* Used **Kubernetes** **Linux** container for deploying and scaling containerized applications.
* Experienced in utilizing source code variant administration apparatuses like **SVN**, **Git**, **Bit Bucket**, and undertaking sprinters like **Babel**, **Grunt**, **Gulp**, and **Web** **pack**.

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| **TECHNICAL SKILLS:** |

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| **Operating Systems** | Linux (Ubuntu), Unix, Windows, Mac OS |
| **Web Technologies** | HTML, CSS, JavaScript, XML, AngularJS 8,11,13,React.JS,Flux,Redux, Jest, Bootstrap, jQuery, D3.js, Node.js, npm, bower.js, Grunt, Gulp, Karma, Servlets, JSP, Yaml, XHTML. |
| **Application Servers** | Apache Tomcat, JBoss, Glassfish, WebSphere, WebLogic |
| **Web Services** | REST, SOAP, JAX-RPC, JAX-WS, JAX-RS |
| **Databases** | Oracle 10g/11g/12c, MySQL, MS SQL Server 2005/2008, PostgreSQL |
| **NOSQL Databases** | Cassandra, MongoDB, |
| **Programming Languages** | C, Java, JavaScript, Python. |
| **Build Tools** | Maven, Apache ANT, Gradle |
| **Frameworks** | Spring boot, Spring MVC, Hibernate, Struts |
| **IDE** | IntelliJ, Eclipse, Visual Studio, NetBeans, Android Studio, Tortoise Git, VS Code, Git Kraken |
| **Source Control** | Git, SVN. |
| **Testing Tools** | JUnit, Jasmine, Protractor, Selenium, Karma |
| **Design Patterns** | Singleton, session facade, Front Controller, MVC, DAO, MVVM. |
| **AWS** | Amazon EC2, Amazon S3, Amazon RDS, AWS Lambda, Cloud watch, Event Bridges,AWS Identity and access management |



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| **PROFESSIONAL EXPERIENCE:** |

**Sr. Full Stack Developer Mar '22 - Present**

**UHG, Minnetonka, MN**

**Responsibilities:**

* Spearheaded the complete Software Development Life Cycle (SDLC), including System Architecture design and development of System Use Cases based on functional requirements.
* Developed responsive views using HTML, CSS, and Angular JS components within the Bootstrap framework.
* Utilized JSP, HTML5, CSS3, and JavaScript for constructing dynamic web pages, playing a key role in the presentation layer of the application.
* Developed and maintained several high-performance Angular 13 applications, enhancing user interfaces and application functionality.
* Implemented reusable components and services, optimizing code for scalability and maintainability.
* Migrated legacy Angular applications to Angular 13, significantly improving performance and maintainability.
* Developed and maintained high-performance Java applications, leveraging Java 1.8 features for improved efficiency and readability.
* Implemented **lambda expressions** and the **Stream API** to process collections efficiently, resulting in a 20% reduction in code complexity and execution time.
* Utilized **functional interfaces** to create cleaner and more concise code.
* Designed and developed RESTful APIs, ensuring seamless integration with front-end applications and third-party services.
* Enhanced application performance by optimizing multithreaded processes using Java 1.8's concurrency utilities.
* Developed and maintained robust unit tests using JUnit and Mockito, achieving over 90% code coverage.
* Implemented the new **Date and Time API** for more accurate and reliable date and time operations.
* Integrated Grunt tasks for code quality tools, enforcing coding standards and improving overall codebase.
* Designed RESTful APIs using Swagger, defining endpoints, data models, and maintaining consistent conventions for clarity and maintainability.
* Created interactive prototypes and high-fidelity mockups in Figma, enabling stakeholders to visualize and test user interfaces across various devices and screen sizes.
* Implemented GraphQL federation for modular and scalable architectures in a services portal.
* Leveraged API Gateway for runtime governance and security of Microservices.
* Deployed and managed API Management and Application Server resources.
* Capable of implementing and maintaining database security measures including user authentication, authorization, and encryption to safeguard sensitive data.
* Integrated third-party services such as AWS and Google Cloud Platform for cloud-native applications.
* Designed data ingestion processes using lambdas, step functions, bash scripts, and Talend API integration.
* Implemented custom schedules with lambdas, step functions, CloudWatch, restartability, and error handling.
* Integrated existing APIs with AWS API management for attribute management.
* Implemented feature engineering techniques in Java to enhance model performance.
* Wrote APIs for Amazon Lambda to manage AWS services.
* Used Microservices for communication using synchronous protocols HTTP and REST.
* Deployed and Monitored Microservices using Pivotal Cloud Foundry (PCF), managing domains and routes.
* Created Splunk Dashboards for key business metrics and performance measurement.
* Provisioned Kubernetes environment and deployed dockerized applications using manifests.
* Implemented JMS for asynchronous information exchange using Active MQ and Rabbit MQ.
* Installed Pivotal Cloud Foundry on EC2 for container management.
* Implemented agent-server messaging dialog using Rabbit MQ.
* Implemented OAuth2 and JWT for secure authentication and authorization between microservices.
* Used Mongo DB for data storage and aspects like replica sets, Shading, and clever document design.
* Developed Merge jobs in Python for data extraction and loading into MySQL database.
* Tested web services using POSTMAN.
* Designed and developed REST API for retrieving configuration JSON data and tested connections using Postman.
* Used Docker to containerize microservices and Kubernetes for orchestration in a cloud environment.
* Employed JIRA for bug tracking and pull requests, Confluence for collaboration, and GIT-Bitbucket for source control.
* Implemented Microservices architecture using Spring Boot for application modularity and independence.

**Environment:** JAVA 8, J2EE, HTML5, CSS3, AWS, AZURE, jQuery, Ajax, Angular 13, Node.js, J2EE, Spring MVC 4.2, Hibernate 4.0, Micro Services, Web services, Restful, Kafka, Web Sphere, Agile, Splunk, Maven, JIRA, Swagger, MongoDB

**PROFESSIONAL EXPERIENCE:**

**Sr. Full Stack Developer Jan '21 – Feb ‘22**

**USAA, San Antonio, TX**

**Responsibilities:**

* Involved in all software development life cycle phases (SDLC) using Agile Methodology.
* Developed Use Case Diagrams, Object Diagrams, and Class Diagrams in UML using Rational Rose.
* Involved in developing User Interface (UI) with Angular 13, CSS3, JavaScript, POJO, jQuery, and JSON.
* Developed user interface using JSP, JSP Tag libraries, and JavaScript to simplify the complexities of the application.
* Leveraged core JAVA concepts like Collections Framework, Multi-Threading, and Exception handling for developing application modules.
* Extensively used the latest Java8 features like Functional Interfaces, Stream API, Time API, Transaction Management, Exception Handling, Collection API, and Lambda Expressions.
* implemented on-page and off-page SEO techniques to improve website ranking and increase inbound traffic.
* Created proof-of-concept using responsive web design, Angular 13, HTML5, and CSS3.
* Proficient in using Gulp to incorporate CSS pre-processing tasks, such as compiling Sass or Less files, enabling the use of advanced styling features and improving maintainability.
* Skilled in integrating Bower with build tools like Grunt or Gulp to automate the process of fetching and including front-end dependencies, streamlining the development workflow.
* Used Microservice architecture with Spring Boot-based services interacting through powerful messaging tools such as REST.
* Extensive experience in utilizing Sketch for UI/UX design, prototyping, and asset creation, leveraging its intuitive interface and robust feature set to streamline the design workflow.
* Developed detailed wireframes, user interface mockups, and interactive prototypes in Sketch, adhering to design systems and best practices to achieve consistent and visually appealing designs.
* Designed and developed the application using agile methodology and followed Test Driven Development (TDD).
* Involved in writing Spring Configuration YML file containing declarations and other dependent objects.
* Used Spring annotations mechanism to create RESTful applications.
* Designed and implemented a robust GraphQL API for a customer-centric e-commerce application, resulting in a 40% reduction in data-fetching time.
* Wrote Stored Procedures and complicated queries for SQL SERVER and PostgreSQL.
* Implemented Kafka producer and consumer applications on Kafka cluster setup with the help of Zookeeper.
* Used Spring Kafka API calls to process the messages smoothly on Kafka Cluster setup.
* Used JUnit for unit testing of the system and Log4J for logging.
* Built RESTful APIs with Play Framework, ensuring adherence to REST principles and compatibility with client applications.
* Integrated with relational and NoSQL databases like PostgreSQL and MongoDB, optimizing data access and storage.
* Implemented automated testing strategies using ScalaTest and Specs2, ensuring robustness and reliability of the codebase.
* Utilized GraphQL subscriptions to enable real-time updates for critical application events, enhancing user engagement and experience.
* Developed Merge jobs in Python to extract and load data into MySQL database.
* Microservices have been built using Spring Boot, and Spring Cloud and deployed to AWS Cloud.
* Migrating existing applications into microservices architecture using Rest APIs, Spring Boot, Spring Cloud, and AWS (EC2, S3, Lambda).
* Added dynamic functionality to the application by implementing jQuery, and Node.js.
* Implemented data caching strategies using Apollo Client, leading to a 30% decrease in redundant API calls and improved application responsiveness.
* Proficient in setting up and configuring Elasticsearch, Logstash, and Kibana to effectively manage, analyze, and visualize large volumes of data.
* Implemented Microservices based Cloud Architecture on AWS Platform and Cloud Foundry.
* Fundamental mastery of the AWS cloud computing platform and its dimensions of scalability.
* Utilized Kubernetes for the runtime environment of the CI/CD system to build, test deploy.
* Kubernetes is being used to orchestrate the deployment, scaling, and management of Docker Containers.
* Implemented Log4j for Logging Errors, debugging, and tracking loggers.
* Involved in building the application which works on mainly Groovy Grails, Html, CSS, Rest services, Java Script, Spring, Maven, and Hibernate.
* Followed Test Driven Development (TDD) to develop JUnit test cases and performed integration and system testing.
* Resolved bugs/defects in the application by coordinating with project team members to assure a positive outcome.

**Environment**: Java, J2EE, Hibernate, PL/SQL, Spring Batch, Spring web services, Spring Boot, MAVEN, Oracle, Jenkins, CSS, Log4j, jQuery, UML, Netflix Eureka, JUnit, Angular 13, GitHub, TDD, Groovy, Kafka, Microservices, Maven, Node JS, Visual Studio Code, Eclipse, Docker.Kubernetes, JUnit, PCF.

**PROFESSIONAL EXPERIENCE:**

**Sr. Full Stack Java Developer Jan '19 - Dec ‘20**

**Prudential Financial, Newark, NJ**

**Responsibilities:**

* Involved in complete SDLC management using Waterfall Process – Requirement gathering, Design, Analysis, Development and Testing.
* Involved in Systems Analysis, Design, Development and Implementation of Web and Client/Server and Enterprise Application development using Java and J2EE Technologies.
* Involved in most of the UI and Business level enhancements in Web base application.
* Used Jest and Enzyme for mocking functions and writing unit tests along with Istanbul setup for testing component coverage reports.
* Developed technical design documents (TDD) prior to code development.
* Designed and developed server-code using Java/J2EE standards.
* Set up and built AWS infrastructure with various services available by writing cloud formation templates in json.
* Wrote Python scripts to parse XML documents and load the data in database.
* Created and maintained the configuration of the Spring Application Framework (Spring Boot)
* Implemented the application using Spring MVC Framework which is based on MVC design pattern.
* Involved in Coding and testing of Java features using Spring MVC, JSP, and web services.
* Used Spring boot and security module to implement login and authentication feature.
* Involved in implementation of persistence layer using Hibernate and prepared Value Objects.
* Implemented coding for the application using Java, Servlets, JSP, spring, Hibernate and J-APP Framework, client side data validation using Java Script.
* Experience in Data Serialization formats like JSON, XML.
* Coded Test Classes using JUNIT for Unit Testing.
* Involved in bug fixing during the System testing and User acceptance testing.
* Connected to Data sources and performed operations using Spring Data Framework features like Spring JDBC and Spring ORM.
* Created AWS Lambda using java to perform event driven processing.
* Migrating the application to cloud environment using the Amazon web services-EC2, S3 and various services of AWS.
* Responsible for maintaining and expanding AWS (Cloud Services) infrastructure using Stack especially worked with database setup and maintenance on AWS EC2.
* Excellent in deploying the applications in AWS as EC2 instances and create snapshots for the data that must be stored in AWS S3.
* Designed data ingestion process, including lambdas, step functions, bash scripts and Talend API integration
* Designed and implemented custom schedules, including lambdas, step functions, CloudWatch, restartability, error handling, rejected record handling using Dynamo DB/Mongo for control logic/schedule storage
* Developing internal Web Application in Groovy/Grails with Mongo DB as a data store. Using the IntelliJ Idea 15.0.4 IDE with the latest Grails 3.1.1 SDK, Java 8.
* Incorporated Basic authentication and JSON threat protection by using Apigee API gateway.
* Developed test cases for Unit Testing using JUnit and Mockito.
* Used TortoiseSVN for version control and TFS for defect tracking and Confluence for content Management System.
* Used JIRA tool for Issue/bug tracking for monitoring of work assignment in the system and Log4J was used to monitor the error logs.
* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation using Jenkins along with UNIX Shell scripts to automate routine jobs.

**Environment:** Java 8, J2EE, HTML5, CSS3, Bootstrap, Python, AWS, Spring IOC, Spring AOP, Spring MVC, Restful Services, Mongo DB, JUnit, JIRA, Jenkins, Unix, GIT, Web Sphere and Intellij.

**PROFESSIONAL EXPERIENCE:**

**Java/J2EE Developer July '16 - July '18**

**Amigos Software solutions, India**

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development.
* Implemented MVC architecture and DAO design pattern for maximum abstraction of the application and code reusability.
* Developed web application using JSP custom tag libraries, Spring Action classes and Action. Designed Java Servlets and Objects using J2EE standards.
* Configured the application using Spring framework annotations and developed Spring Controllers for request and response processing and implemented Restful Web Service.
* Migrated Spring based application to cloud based Micro services.
* Designed and developed the REST based Micro services using the Spring Boot, Spring Data with JPA.
* Participated in coding Spring AOP components for the Transactional Model to handle many requests.
* Involved in developing Java APIs, which communicates with the JavaBeans.
* Implemented Java/J2EE Design patterns like Business Delegate and Data Transfer Object (DTO), Data Access Object.
* Used JSP for presentation layer, developed high performance object/relational persistence and query service for entire application utilizing Hibernate.
* Developed views using Bootstrap components, Angular-UI and involved in configuring routing for various modules using angular UI router.
* Extensively used HTML, JavaScript, Angular.js and Ajax for client-side development and validations.
* Developed Web services (SOAP) through WSDL in Apache Axis to interact with other components.
* Created Stateless Session EJB's for retrieving data and Entity Beans for maintaining User Profile.
* Used Log4j as logging framework to capture the log traces of applications in debugging the issues.
* Used ANT automated build scripts to compile and package the application.
* Designed database and created tables, written the complex SQL Queries and stored procedures as per the requirements.
* Involved in Unit, Integration and Performance Testing for the new enhancements.
* Developed the application using Java Beans, Servlets and EJB's.

**Environment:** Java, J2EE, Spring, Hibernate, HTML, JSP, JavaScript, jQuery, XML, JSON, CSS, Angular.js, Ajax, Log4j, Hibernate 3.5, Bootstrap, ,Apache Tomcat 7, Rest Web Services, Spring boot, JUnit, Maven, Oracle.

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| **EDUCATION:** |

Bachelor of Technology - Mahatma Gandhi Institute of Technology, Hyderabad, India