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**Jyothsna Naidu**

**Professional Summary**

* Around 5+ years of IT experience providing technical solutions for business applications, which includes designing, development, building frameworks, Testing and implementation of Web - based Client-Server as well as Middleware multi-tier distributed environments using Java/J2EE.
* Experience in developing applications as Micro services using Spring Boot based on Service Oriented Architecture (SOA).
* Specialized in orchestrating a 50% increase in API throughput through high-performance RESTful API design. Successfully led database migrations to AWS, achieving a 30% cost reduction and doubling query performance. Ready to bring impactful solutions to the table.
* Expertise in OOAD architecture and modelling, as well as front-end technologies like HTML, CSS, JavaScript, jQuery, Bootstrap, and Angular, with a basic understanding of React.js.
* Extensive experience in implementing single page applications using Angular.JS directives and routing modules.
* Used SQL & NoSQL databases like MySQL, MongoDB, Cassandra, and PostgreSQL in different microservices.
* Proficient in managing Amazon Web Services such as EC2, S3 bucket, ELB, Auto-Scaling, SNS, SQS, AMI, IAM, and Virtual Private Cloud (VPC) through AWS Console and API Integration.
* Extensively used Java 8 Streams, Lambda Functions, Predicates, Functional Interfaces, Method references,

Filters, Collections, and default methods.

* Proficient with container systems like Docker and container orchestration using EC2 Container Service, Kubernetes, and Terraform.
* Practical knowledge on building real time data pipelines using Kafka streams. Familiar with partition of Kafka messages and setting up the replication factors in Kafka Cluster.
* Expertise in DevOps and CICD tools like Jenkins, Chef, Maven, Docker, and Cloud Formation
* Strong hands-on experience in developing enterprise and web applications on N-tier Architecture using Java/J2EE, Spring, Servlets, JSP, Hibernate, Web services (REST and SOAP), XML, JPA, JMS, and JDBC.
* Implemented various Core Java Technologies and utilized Maven and Restful Web Services.
* Experienced with Oracle, PostgreSQL, Cassandra, MySQL databases, and familiar with NOSQL databases like DynamoDB and MongoDB.
* Utilized Chef and Jenkins for automation and deploying artifacts, with expertise in bash scripting.
* Experience writing shell scripts using UNIX commands and developing unit test cases using JUnit and Mockito.
* Experience in working with various Software Development Life Cycle (SDLC) methodologies based on Agile, Scrum, Waterfall Model.
* Highly knowledgeable in concepts related to multi-dimensional modelling, Data Warehouses schemas, Star Schema modelling and Snowflake modelling and processes.

**Technical Skills**

* Programming Languages: Java, JavaScript
* Back-End Development: Spring Boot, RESTful API Design, Database Migration (AWS Aurora, Asynchronous Messaging (Kafka)
* Front-End Development: HTML, CSS, Angular and React.
* Full-Stack Development: Spring Boot and Angular, Real-Time Features (WebSocket’s), CI/CD Pipelines (Jenkins, GitLab), Docker Containerization
* Cloud Technologies: AWS (Microservices Migration), AWS Lambda (Serverless), Amazon DynamoDB (NoSQL), Infrastructure as Code (Terraform)
* Database Management: SQL, NoSQL (Amazon DynamoDB), Microsoft SQL Server, MS Access, Oracle, MySQL, Cassandra, Postgres SQL, PL/SQL, MongoDB, Firebase, Redis Cache
* Web Technologies: AJAX, HTML5, Java Script, XML, CSS3, AngularJS (Typescript), Express.js, React.js, Vue.js, redux, Bootstrap, webpack
* Design Tools and IDE’s: Eclipse, Net-beans, IntelliJ, STS4, Visual Studio Code
* Testing Tools: Jasmine, Selenium, Karma, Junit, Mockito.
* Collaboration and Leadership: Mentoring, DevOps Advocacy, Technical Presentation, Continuous Learning
* Others: Maven, Jenkins, Apache Kafka, RabbitMQ, ActiveMQ, selenium, Log4J, CVS, Git, Docker, Kubernetes, ServiceNow, Helm charts, Gitlab, GitHub, bitbucket, Ansible, Terraform, JIRA, SonarQube, Agile, Waterfall model, Test Driven Development (TDD).

**Professional Experience**

## **AT&T, Dallas, Tx August 2023 -July 2024**

**Role: Software/Java Engineer**

**Responsibilities:**

* Exposed to Software Development Life Cycle (SDLC), Agile-Scrum application development methodology.
* Worked using Java for implementation development, used Java Collection API for data structure, annotations for code reuse and exceptions to handle the errors.
* Expertise in implementing and deploying Restful Web Services using both Java and Python related frameworks.
* Developed Micro services using Spring MVC, Spring Boot, and Spring Cloud.
* Worked on Spring framework applications like Spring Core, Spring AOP, Spring MVC, Spring Batch, Spring Security and Spring Boot and did integration to Micro services into existing system architecture.
* Design and develop the REST based Microservices using the Spring Boot for the application to seamlessly integrate with supporting sub systems.
* Authored and implemented reusable UI components in ReactJS, promoting code consistency and accelerating front-end development by 25%.
* Used React JS for templating for faster compilation and developing reusable components.
* Migrated few Lambdas to EC2 by converting them to Java Jar applications from Python and deploying them to AWS EC2.
* Optimized legacy Java application with microservice architecture and cloud deployment on AWS, leading to a 40% reduction in server response time and improved scalability.
* Designed, configured, and managed public/private cloud infrastructures using Amazon Web Services (AWS), which includes VPC, EC2, S3, Cloud Front, ELB and Elastic Beanstalk.
* Achieved infrastructure-as-code using Terraform and AWS Cloud Formation, reducing manual configuration errors by 70%.
* Led the design and implementation of a secure RESTful API using Spring Security, enabling seamless integration with third-party applications.
* Implemented OAuth 2.0 as a security mechanism for protecting APIs, enabling controlled access to resources.
* Created and worked with various SQL and NoSQL databases such as AWS RDS Aurora DB cluster, MySQL, DynamoDB, MongoDB and connected to the database through DB Instances using the AWS Java SDK.
* Worked with Jenkins Continuous Integration and Continuous Deployment (CI/CD).
* Deployed microservice web applications within a Linux environment while leveraging Kubernetes to manage Docker containers, utilizing SOAP and RESTful Web Services with Spring, SQL, and NoSQL databases, producing a 70% improvement in system stability during high loads.
* Proficient in working with relational database management systems (RDBMS) such as MySQL, PostgreSQL, or Oracle.
* Data Ingestion from on premise databases like SQL server, oracle into Snowflake Data Lake.
* JUnit is implemented along with Mockito to perform unit testing on our RESTful web application.
* Worked on Design and development of Restful APIs using Node.js and JSON.
* Used HTTP methods, like get, put, post, delete, to develop REST API and delivered in the form of JSON.
* Worked with spring-based JUnit framework for writing JUnit tests and integration tests.
* Experience in JUnit framework with Mockito and Easy mock.
* Participated in requirement gathering and framework implementation sessions through Agile development experience with Scrum.
* Identified and resolved performance bottlenecks in infrastructure components by profiling and optimizing Python and Go scripts, leading to a 30% improvement in system performance.
* Participated in sprint planning and retrospectives, contributing valuable insights and driving process improvements to enhance team efficiency and effectiveness.

## **Novartis Pharmaceuticals March 2021-July 2022**

## **Role: Java Engineer**

**Responsibilities:**

* Implemented the entire stack using Java, spring boot, MySQL and Angular6.
* Enforced a team in designing, developing, debugging, and testing 15+ web-based and client-server business applications using Java/J2EE web applications, leading in a 30% boost in overall project efficiency.
* Implemented Micro Services Architecture with Spring Boot based RESTful services and consumed SOAP based web Services.
* On the server-side, used Spring MVC with Hibernate to connect with Microsoft SQL Server.
* Using SQL Alchemy with Flask and PostgreSQL as database for developing the web application.
* Used AngularJS as framework to create Single Page Applications which can bind data to specific views and synchronize data with servers.
* Familiarized with Angular CLI for building and creating a component, service, modules, and initialized routing functionalities.
* Created custom, self-contained, reusable, and testable Angular 14 modules, controllers, directives, and services to implement key functionalities for customer account summary.
* Implemented AWS solutions using EC2, S3, RDS, DynamoDB, Route53, EBS, Elastic Load Balancer, Auto scaling groups.
* Created S3 buckets for EC2 instances to store all the content including HTML pages, images, CSS files and script files.
* Have migrated HTML, CSS, JavaScript projects to React by developing components, states, props, dashboards, etc.
* Utilized the AWS Lambda platform to upload data into AWS S3 buckets and to trigger other Lambda functions (EC2, MongoDB) focusing on high availability, fault tolerance, and auto-scaling).
* Used NoSQL database MongoDB to store data of reporting Application which is of unstructured data.
* Wrote SQL Queries, PL/SQL stored procedures, triggers, packages on Oracle database.
* Architected and deployed Kafka-based data pipelines to enable real-time data streaming and integration across distributed systems.
* Involved in CI/CD process using GIT, Jenkins job creation, Maven build create Docker image and deployment in AWS environment.
* Use of Docker and Kubernetes to manage micro services for development of continuous integration and continuous delivery.
* Designed and implemented automated workflows using Python and Shell scripting to streamline deployment processes and reduce manual intervention by 60%.
* Used JUnit, Spock, Cucumber to test, debugged and implemented the application.
* Experience in working with various Software Development Life Cycle (SDLC) methodologies based on Agile, Scrum, Waterfall Model.
* Proficient in using Git for managing source code versions, including branching, merging, and resolving conflicts. Understanding of commit history and pull requests.
* Experience in working with teams on GitHub, including code reviews via pull requests, issue tracking, and project boards for task management.

## **Nationwide May 2018 - Feb 2021**

## **Role: Java Developer**

**Responsibilities:**

* Built end-to-end stack solutions using Java, Spring Boot, MySQL, and Angular.
* Led a team in designing, developing, debugging, and testing 15+ web-based and client-server business applications with Java/J2EE, resulting in a 30% increase in project efficiency.
* Played a pivotal role in adopting cutting-edge technologies like React.js, Angular.js and Node.js, reducing development time and enhancing application scalability.
* Designed and implemented Microservices Architecture with Spring Boot for RESTful services and integrated SOAP-based web services.
* Utilized Spring MVC with Hibernate for server-side development and Microsoft SQL Server integration.
* Employed SQL Alchemy with Flask and PostgreSQL for web application development.
* Developed Single Page Applications (SPAs) using AngularJS with data binding and server synchronization.
* Familiar with Angular CLI for building components, services, modules, and initializing routing functionalities.
* Created custom Angular 14 modules, controllers, directives, and services for customer account summaries.
* Implemented AWS solutions including EC2, S3, RDS, DynamoDB, Route53, EBS, Elastic Load Balancer, and Auto Scaling groups.
* Created and managed S3 buckets for storing content such as HTML pages, images, CSS files, and scripts used by EC2 instances.
* Utilized AWS Lambda for data uploads to S3 buckets and triggering functions (EC2, MongoDB) with a focus on high availability and auto-scaling.
* Used MongoDB for NoSQL data storage in reporting applications.
* Developed and managed Kafka producers and consumers, ensuring efficient message processing and integration with various data sources and sinks.
* Utilized Linux/Unix shell scripting, JavaScript, IBM MQ/Rabbit MQ, SQL Developer, and IDEs for effective software development and debugging.
* Developed back-end interfaces using PL/SQL Packages, Cursors, Stored Procedures, Functions, Triggers, Collections API's.
* Familiarity with integrating GitHub with continuous integration/continuous deployment (CI/CD) tools, such as GitHub Actions, for automating testing and deployment pipelines.
* Engaged in CI/CD processes using GIT, Jenkins, Maven, and Docker for image creation and deployment in AWS environments.
* Applied testing frameworks including Junit/TestNG, Spock, and Cucumber for application testing and debugging.
* Experienced with various Software Development Life Cycle (SDLC) methodologies, including Agile, Scrum, and Waterfall Model.
* Successfully resolved critical production issues, demonstrating strong problem-solving skills and ensuring high system availability and reliability.
* Collaborated closely with cross-functional teams, fostering seamless communication between product, QA, and design departments, ensuring the timely delivery of secure, scalable, and performant solutions.
* Implemented responsive design principles, enhancing accessibility across various devices and browsers.

**Education**

Bachelor’s - Computer Science – 2018 - Ramachandra College of Engineering, India

Master’s - Computer Science – 2023 - Southern Arkansas University, USA