Ratna Prabhakar Majji

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Professional Summary

- 6+ years of experience in all the technical phases of Software Development Life Cycle (SDLC) including Requirement Analysis, Design, Implementation and Testing in both Web based and Enterprise applications with emphasis on Object Oriented, Java/J2EE and Client Server technologies.
- Experience in Front-End UI technologies like HTML5, CSS3, jQuery, JSON, Ajax, Angular, NodeJS, Bootstrap, Tag Libraries, JSTL.
- Experience in developing web applications by using Spring framework modules like Spring IOC, Spring AOP, Spring MVC, Spring Security, Spring Boot, Spring Batch and Spring Data.
- Proficient in developing J2EE enterprise applications in Service Oriented Architecture and Micro Service Architecture.
- Expertise in implementing Service Oriented Architectures (SOA) with XML based Web Services (SOAP, REST).
- Hands on experience with CI/CD system with Jenkins, Kubernetes, and Docker.
- Proficiency in working with databases like Oracle, MySQL, MongoDB, NoSQL.
- Proficient in writing SQL queries using Hibernate framework with Spring ORM in interaction with the RDBMS and Non-Relational Database like Mongo DB.
- Extensively used the Java design patterns like Builder, MVC, MVVM, Service Locator, Data Transfer Object (DTO) and Data Access Object (DAO), Factory Method.
- Good understanding Core Java SE 8 concepts like Streams API, Time API, Functional Interfaces, Multithreading Transaction Management, Exception Handling, Lambda functions, Generics and Collection API.
- Experience in generating logging by Log4j to identify the errors in production test environment and experienced in Ant, Maven and Gradle tools.
- Worked on improving code coverage using JUnit-Mockito and increasing code quality using sonar lint and SonarQube.
- Extensive experience with build tools like Maven, ANT, and Jenkins for monitoring the build status of the projects.
- Worked on JMS MQ like RABBITMQ, ACTIVE MQ and Apache Kafka and Agile Methodologies.
- Experience in deploying the applications on Tomcat, JBoss, Web Logic and Web sphere servers.
- Experience triggering and monitoring the deployments using the CICD tools.
- Used Bitbuckets, GIT and SVN for code management and version control.
- Worked on IDEs like Eclipse, Visual studio, Notepad++, IntelliJ, Net Beans.
- Exposure in working on Cloud environment - developed and deployed application into AWS.
- Knowledge on using the AWS cloud stack plug-ins and setting the EC2 instances, configuring the AWS resources and deploying the application.
- Good team player with ability to solve problems, organize and prioritize multiple tasks.

Education

Wichita State University	*Masters in Computer Science*	Wichita, USA
JNTUK	*Bachelors in Computer Science*	Kakinada, India

Technical Skills

Programming Languages: Core Java, J2EE, PL/SQL, Typescript, Python
Version Controls: Code Cloud, CVS, SVN, Git
Web Technologies: JSON, JSP, HTML, HTML4/5, CSS, JavaScript, Angular JS, AJAX, Node JS, Bootstrap
XML Technologies: XML, DOM
Web/App Servers: Apache Tomcat 6.0/7/8/9, Web Sphere Application Server 9.0, JBoss, SOAP, RESTful
IDE: Eclipse, Net Beans, Red Hat Developer Studio, IntelliJ, STS
Integration/Build Tools: Splunk, Jenkins, Ant, Maven, Gradle, Kafka, OpenShift
Operating Systems: Windows, UNIX, Linux
Databases: Oracle, MySQL, MS SQL Server, Postgres SQL, TOAD, MongoDB, Cassandra
Frameworks: Struts, CSS Frameworks, Spring (Dependency Injection, Spring MVC, Spring Access, DAO, Spring Boot, Factory Pattern, Core, Spring Context, Spring AOP, Spring DAO, Spring IOC, Spring JDBC, Spring with Hibernate), Microservices
Cloud Technologies/DevOps Tools: AWS, Azure, Docker, Kubernetes
Testing Tools: JUnit, JMock, Mockito, Jasmine, Karma, Postman, Selenium, JIRA, Open MP

Experience

Amazon   January 2023 – Present
Software Development Engineer   *Bellevue, WA, USA*

- Developed RESTful Web Services with JAX-RS using Spring Boot and Micro Services Architecture. Implemented security using OAuth 2.
- Worked with Spring Gateway API, Zulu server to handle the load balance for all RESTFUL Micro Web Services in different servers for all environments.
- Manipulated data using CRUD operations of MongoDB database management system and handled database access and data transmission based on RESTful web service.

- Developed the application using IntelliJ as the IDE and used its features for editing, debugging, compiling, formatting, and building automation.
- Used Spring Inheritance, Auto-wiring, Core Container, Security, AOP, Spring Quartz for scheduling tasks to generate reports and emails to clients.
- Used Multithreading (Concurrent) in programming to improve overall performance using Singleton design pattern in Hibernate Utility class.
- Deployed Spring Boot based microservices and Docker container using Amazon EC2 container services using AWS.
- Used Microservices architecture, with Spring Boot based services interacting through a combination of REST and Spring Boot.
- Leveraged AWS cloud services such as EC2; auto-scaling; and VPC (Virtual Private Cloud) to build secure, highly scalable and flexible systems.
- Implemented a metrics collection mechanism for the server by utilizing Apache Kafka to stream server-side events.
- Built backend REST API with Node JS, also implemented modules into Node JS to integrate with designs and requirement.
- Developed dynamic UI using Angular 13 and produced dynamic, interactive data visualizations using JavaScript library like D3.js.
- Used Log4J to print the logging, debugging, warning, info on the server console.
- Performed Unit test with Junit and Mockito.
- Responsible for working on consuming and producing SOA Micro services /Web Services.
- Automated CI/CD with Jenkins, build-pipeline-plugging, Maven, GIT Set up Jenkins's master/slave to distribute builds on salve nodes.
- Implemented web services (WSDL) and effectively worked with SOAP and XML, and XSLT the user interface using the JavaScript, AJAX, Angular 13, HTML5, CSS and Bootstrap.
- Developed all custom processes, workflows and schemes within JIRA to accommodate the organization's needs. Used Maven tool for building and deploying Web applications.
- Involved in group meeting with teammates and made substantial changes to the architecture to improve performance of the Application.
- Dealt with Java 11 features like utility methods, local-Variable Syntax for Lambda Parameters, Nested Based Access Control and Reading/Writing Strings to and from the Files.
- Followed Agile methodology, participated in SCRUM meetings to track, and review frequently changing requirements with tri-weekly sprint deliveries.

Environment: Selenium Web Driver, Eclipse IDE, Selenium Grid, Maven, Jenkins, HP ALM, Java, SQL, GITHUB, Rest Assured, Windows 7, Appium, Junit, TestNG.

SAP Labs India   January 2021 – December 2022
Full Stack Java Developer   *Hyderabad, India*
- Developed Used Angular 11 in developing single-page applications, implementing advanced features like routing, services, and directives for seamless navigation across various modules and statuses.
- Employed HTML5, CSS3, JavaScript, jQuery UI, RESTful APIs, and AJAX to engineer visually appealing and interactive front-end interfaces.
- Contributed to the development of Object-Oriented JavaScript Libraries such as Angular and Bootstrap, integrating various Bootstrap components to enhance user experience.
- Developed RESTful APIs and implemented backend functionality to support frontend features.
- Built Spring Boot Microservice for the delivery of software products across the enterprise.
- Enhanced microservices using cutting-edge Java 8 functionalities like Functional Interfaces, Stream API, Lambda functions, and Date/Time API.
- Implemented key Spring features including Spring MVC, Spring Boot, Spring Batch, Spring Security, and Spring Integration to bolster application robustness and security.
- Configured API Gateway policies for authentication, authorization, rate limiting, and request transformation to enforce security and compliance standards.
- Used in cluster as messaging system between APIs and microservices and worked on Splunk SPL queries, reports.
- Collaborated with cross-functional teams to design and implement API Gateway solutions aligned with business requirements and industry best practices.
- Employed multithreading, parallel programming, and cluster configurations to optimize performance and minimize response times.
- Worked on increasing code coverage, code quality using SonarQube and Sonar Lint
- Developed a pre-authentication framework leveraging Spring Security for seamless authentication and authorization processes.
- Utilized Spring AOP to address crosscutting concerns and integrate authorization/authentication mechanisms into applications, alongside Spring Batch for efficient data processing.
- Developed comprehensive unit testing frameworks using JUnit and performed performance testing using JMeter.
- Automated API Gateway configurations and deployments using infrastructure-as-code tools like AWS CloudFormation and Terraform, streamlining the development and deployment lifecycle.
- Employed Postman for testing RESTful APIs and utilized Maven for streamlined build and packaging processes.

- Wrote SQL queries and stored procedures for Oracle database interaction.
- Exposed Service-Oriented Architecture (SOA) through RESTful web services, ensuring loose coupling between layers using the Spring framework.
- Gitlab, Docker and Kubernetes for CI/CD on microservices and deploying to AWS Cloud and implemented CI/CD pipelines to automate the build, test, and deployment processes.
- Used AWS Lambda to facilitate seamless data uploads to AWS S3 buckets and trigger other Lambda functions.
- Deployed applications on AWS EC2 instances and configured storage on S3 buckets for optimal performance.

Environment: Eclipse, Selenium WebDriver, cucumber, HP Quality Center, Postman, JSON, Agile-Version one, Maven/ANT, GitHub, Jenkins, ETL testing, Teradata, Apache POI, JMETER,

OpenText India   August 2018 – January 2021
Java Developer   *Hyderabad, India*
- Developed Responsible for creating new reusable Angular components and implementing new features, as well as maintaining and improving legacy code on the existing framework.
- Designed User Interfaces using React JS, XML, HTML, CSS, Bootstrap and JavaScript. Used React JS for templating for and developing reusable components.
- Developed application using spring concepts – (DI/IOC, AOP, Batch implementation) and Spring MVC. Used spring framework and interacted with back-end database using Hibernate framework.
- Used Java 1.8 features like Java Stream API, Lambda with references, Collections, Concurrency expressions API, etc. to enhance the code quality and readability.
- Built a geo-based social network web application with React JS, Spring Boot, Spring Security and Spring REST Hibernate ORM.
- Executed Java EE components using Spring MVC, Spring IOC, spring transactions and spring security modules.
- Designed and implemented AWS Solutions using EC2, S3, EBS, Elastic Load balancer (ELB), VPC and Cloud Formation.
- Developed some Spring customized Dependency Injections based on business logics.
- Implemented Routing and HTTP modules for navigation between the components and invoking the Rest Services using GET, POST, PUT, and DELETE methods.
- Consumed Restful web services to get the JSON object (Response) and manipulated the JSON Object to display the response in the webpage. Deployed the Application EAR and Restful Services on Jboss Application Server.
- Implemented transactions using XML, Web Services, Microservices, JNDI and Multithreading Executor Services.
- Written the Rest Services to get the data from MySQL collections in JSON format.
- Implemented User Interface and integrated with backend code, Node JS as server-side technology.
- Developed and executed Unit Test plans using JUnit, ensuring that results are documented and reviewed with Quality Assurance teams responsible for integrated testing.
- Developed Maven scripts and developed builds using Maven and continuous integration servers like Jenkins.
- Implemented Log4j and I18N technology for a broader perspective of the project.
- Used GIT for version control across common source code used by developers.
- Participated in configuration management, change management activities and code re-views.
- Used JIRA for defect management and to keep track of bugs and issues.
- Involved in weekly Sprint planning and retrospectives and two scrum meetings a day to deliver product in less time with good quality.

Environment: Agile, Java, Eclipse IDE, Postman, GitHub, Jira, ALM, Selenium, Manual testing, Cypress, Jenkins, Percy, Java, Java script.