

Rama Mohana Rao M

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PROFESSIONAL SUMMARY

- 10+ years of experience in enterprise application development using Java / Java EE and Node.js.
- Experience in developing monolithic and microservices architectures and in smooth migration between the two models.
- Strong experience with the Spring ecosystem – Spring, Spring Boot, and Spring Cloud – for building scalable microservices.
- Hands-on experience with service discovery and configuration management using HashiCorp Consul.
- Skilled in web application development with Servlets, JSP, JSTL, and Spring MVC.
- Proficient in REST API development using Spring Web, Jersey, Restlet, and Express.js.
- Experience in data persistence with JDBC, Spring JDBC, Spring JPA, and Hibernate 5.
- Experience in file processing with Spring Batch and Node.js.
- Strong knowledge of security integration for web applications and APIs using Spring Security, AWS Cognito, OAuth2, and JWT.
- Proficient in AWS Cloud services: EC2, IAM, Cognito, Lambda, API Gateway, SQS, SNS, S3, Elastic Beanstalk, CloudWatch, Athena, Glue, Kinesis, and IoT.
- Experience with messaging systems: AWS Kinesis, RabbitMQ, and Kafka.
- Good front-end skills with HTML5, CSS3, JSP, React.js, Redux, Storybook, and Rollup.js; as well as Bootstrap and Material UI.
- Good experience with Docker and Docker Compose.
- Good experience with web servers: Tomcat, Nginx, and Apache.
- Good experience with databases: MySQL, Redis, and DynamoDB.
- Good experience using gRPC and Protocol Buffers (Protobuf) with both Java and Node.js.
- Experience writing test cases with JUnit, TestNG, Mockito, REST Assured, Mocha.js, Jest, and Chai.
- Familiar with static code analysis tools: PMD, SonarLint, and SpotBugs for Java; ESLint and Prettier for Node.js and React.js.
- Experience using tools such as Jira, GitHub, Bitbucket, SVN, Git CLI, Splunk, Maven, Keytool, OpenSSL, Swagger / OpenAPI, SonarQube, HashiCorp Vault, Jenkins, and Postman.

EXPERIENCE SUMMARY

- Currently working as a System Analyst at Value Labs LLP, Hyderabad, from 3 May 2022 to present.
- Worked as a Module Lead at Yash Technologies, Hyderabad, from 14 August 2020 to 3 May 2022.
- Worked as a Senior Software Engineer at Neviton Softech Pvt. Ltd., Bangalore, from 10 July 2017 to 6 August 2020.
- Started career as a Software Engineer at Sun KPO Inc., Hyderabad, from 15 October 2015 to 10 July 2017.

EDUCATION

Master of Computer Applications (MCA) – JKC College, Guntur (Acharya Nagarjuna University)	2014 73%
B.Sc. (MEC) – Priyadarshini Degree College, Tenali (Acharya Nagarjuna University)	2011 72%

Project 6: Shutterfly / Snapfish

Description:

- Shutterfly is a leading digital retailer and manufacturer of high-quality personalized products and services.
- Developed REST APIs and migrated the authentication mechanism from OAuth to JWT using AWS Cognito.
- Optimized API response times by converting synchronous operations to asynchronous workflows using AWS SNS, AWS SQS, and Kafka.
- Wrote Python CRON jobs to optimize database usage and clean up stale data, thereby reducing infrastructure costs.
- *Technologies: Java, Restlet, Jersey, Spring Boot, AWS SNS, AWS SQS, AWS S3.*

Project 5: Tata Sky / TATA

Description:

- Implemented Spring Batch scheduled jobs to load raw data into the system from various sources, including AWS S3 and FTP servers.
- Enabled REST APIs to monitor, manage, and configure batch jobs.
- Enabled a Kong API Gateway solution for internal services accessed by other internal applications.
- Configured AWS API Gateway for external clients with federated authentication.
- *Technologies: Java, Spring Boot, Spring Cloud, Spring Batch, Kafka, AWS API Gateway, AWS S3, Kong, Konga, Elasticsearch, Filebeat, Kibana.*

Project 4: STE / Swiggy

Description:

- Developed REST and gRPC services using Spring Boot and Protocol Buffers (Protobuf).
- Developed an executor service that receives requests from a React.js-based UI client over REST API and from a Go-based CLI tool over the gRPC protocol.
- Developed a centralized, generic test execution service that runs test jobs built on frameworks such as TestNG and Cucumber. The service generates Allure Reports upon completion, stores them in AWS S3, and tracks requests and results in AWS DynamoDB.
- Implemented real-time test execution progress notifications via AWS SNS.
- *Technologies: Java, Spring Boot, gRPC, Protocol Buffers, Kafka, AWS S3, AWS SNS, AWS DynamoDB, React.js.*

Project 3: CIG (Communication Interoperable Gateway) / Merck Group

Description:

- CIG is a gateway server implemented using the OPC UA SDK and Spring Boot.
- CIG provides a common communication layer using the OPC UA protocol on top of vendor-specific protocols.
- CIG synchronizes data between onboarded PLC device servers and the gateway. It also exposes a REST API to allow other applications to onboard devices and retrieve device information and metrics.
- Implemented using Java SPI (Service Provider Interface) plugin technology, enabling CIG to dynamically load connector plugins for specific protocol types, keeping the core system loosely coupled from the connectors.
- Each connector is implemented for a specific protocol.
- *Technologies: Java, Spring Boot, Spring Cloud, OPC UA SDK, HashiCorp Consul, HashiCorp Vault.*

Project 2: APQP (SPC, QPAP, SPC Aggregator) / Montana Tech Components AG (MTC / UAC)

Description:

- Advanced Product Quality Planning (APQP) system designed to ensure product quality and compliance with manufacturing industry standards.
- Statistical Process Control (SPC) is a sub-module of APQP that monitors process behavior, identifies issues in internal systems, and provides real-time solutions for production problems during manufacturing.
- *Technologies: Java, Spring Boot, Node.js, Express.js, React, Redux, Redis, MySQL, and AWS (S3, EC2, API Gateway, Lambda, Athena, Kinesis, Cognito, SNS, IoT, Glue).*

Project 1: EDI (Electronic Data Integration) / Warner Chappell Music (WCM)

Description:

- EDI is an internal module of the WCM S#ARP project. The system matches WCM recording details against files (XLS, TSV, CSV) submitted by streaming platforms (YouTube, Apple Music, etc.) from around the world via FTP and SFTP, and subsequently generates the corresponding licenses.
- S#ARP EDI processes the files, matches them against WCM recordings and licenses, and loads the results into the system.
- Enabled RESTful services for integration with other applications.
- *Technologies: Java, Spring Boot, Spring Batch, FTP, SFTP, MySQL.*