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Madhu Pranesh M

Web Application developer based out of full stack development with Spring boot microservices architecture, Spring boot middleware with TDD and Angular framework with 3 years of experience in agile development strategies.

Professional Experience

**OCT 2020 – PRESENT |COGNIZANT TECHNOLOGY SOLUTIONS, BANGALORE**

**Associate Software Engineer:**

* Focused on developing, debugging and enhancing highly available and scalable enterprise level spring boot applications (microservices architecture) for JP Morgan Chase, working with the client organization’s team of developers and leads, developed a Kafka stream, MQ utilized spring boot middleware processors and made it to highly available across multiple regions**.**
* Proven Experience on OAuth ADFS authentication setup for APP2APP connectivity and did migration from Password-based Legacy auth to Kerberos-based auth for DB servers, bucket and MQ connectivity.
* Experience in Spring ETL jobs with Messaging Systems and REST Web Services along with Schedulers for a daily processing of bulk data of customers for the improvement of Business needs and Management reporting.
* Certified with IIHT Full stack course with development of an (tweeter) application using spring boot and angular framework, containerized using Docker and deployed to AWS with ELB, ASG, S3, Amazon Aurora and a monitoring Kafka app on EC2**.**
* Done a migration of Mule based app to Spring Boot architecture with WebSphere MQs, IDA protected which is scalable based on the traffic/load of the queuing messages eliminating VSI hosts and legacy Mule architecture.

**DEC 2019 – APR 2020|COGNIZANT TECHNOLOGY SOLUTIONS, COIMBATORE**

**Junior Software Engineer Trainee (Campus-Internship):**

* Having learnt with Spring framework, Angular framework, Relational Databases (MySQL, MSSQL) and basics of ADM setup tools including CI/CD and git integration(bitbucket)**.**
* As a course completion, developed an end-to-end application using Spring boot and Angular framework with JWT auth implementations.
* Getting familiarized with Agile and Scrum development methods and basics of ADM BANKING DOMAIN

Skill Highlights

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| |  | | --- | | Highlevel Skills:  Spring Boot (Java 8,11) with microservices, Maven, Gaia & AWS Cloud with Dockerized Apps, Relational DBs(Oracle, MySQL, Sybase), ORM framework(Hibernate JPA), Kafka, MQ integration with Spring.  Associated Skills:  Rest API, WebSphere MQ and ActiveMQ, ADFS IDA OAuth with Spring JWT, Unit testing – Junit & Mock frameworks, Cloud Foundry deployment, Splunk log monitoring, Sonar checkups, Fortify Scan, IP whitelisting and load balancers, spring cloud config server, password encryption and vault storage for high environments, Kerberos auth setup of modernized apps.  IDAnywhere OAuth secured Spring boot resources with authorization roles and IDA clients with JWT tokens (password, certificate, Kerberos) to access those resources, API Gateway  Deploying microservices to ECS with load-balancing and Auto-scaling, Kafka setup on EC2, Amazon Aurora, Elastic IP.    Familiar Tools:  Jenkins and its scripts, Fortify scan tool for vulnerabilities, Grafana app monitoring tool, Fitnesse testing of microservices, JMeter and Blazemeter performance testing of microservices, Git (GitHub, bitbucket), Swagger documentation and scrum basics such as planning and retrospective and tools (JIRA, Confluences, DST, Bitbucket). |   Education   * **Kumaraguru College of Technology 2016 – 2020 COIMBATORE** Bachelor of Engineering ME (CGPA:8.2) |

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