**Charitha Chanamolu**

**Software Engineer |** [**cchanamolu@outlook.com**](mailto:cchanamolu@outlook.com) **| (909)754-4733 |** [**LinkedIn**](https://www.linkedin.com/in/charitha-chanamolu-8aa989a3)

**PROFESSIONAL SUMMARY:**

* Results-driven Software Engineer with 4.5 years of experience, known for a proactive approach and a strong track record in software development. Proficient in fostering effective communication and organizational skills. Seeking a software engineering role focused on crafting tools and services that drive lasting improvements in application and company achievements.
* Experience in all phases of Software Engineering (SDLC), Project management (Waterfall & Agile/Scrum Methodology) including requirement gathering, analysis, define project scope, design, coding, app & web server installation, deployment, manual testing and implementation.

**TECHNICAL SKILLS:**

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| **Programming Languages** | JAVA, SQL, PL/SQL, HTML5, CSS3, JavaScript |
| **Databases** | Oracle, MySql, MongoDB, IBM DB2. |
| **J2EE Technologies** | JDBC, Spring, Spring Boot. |
| **Architecture** | MVC, Micro-services. |
| **ORM Framework** | Hibernate, JPA, Spring Data. |
| **IDE** | STS, Eclipse, My Eclipse, Intellij IDEA |
| **Web/Application Servers** | Apache Tomcat 9.0, IBM Web Sphere 8 |
| **Build Tools** | Gradle, Maven, Apache ANT. |
| **Version Control** | GIT |
| **Testing Tools** | JUnit, Mockito, Rest Client API, Postman, Swagger UI 2,  Mutation testing, BDD testing, RPA |
| **Logging** | Log4j, Slf4j |
| **Messaging** | Kafka, Active MQ |
| **CI/CD Tools** | Jenkins, UrbanCodeDeploy, Jfrog |
| **Cloud** | AWS lambda, Dynamo db, Cloud watch |

**PROFESSIONAL EXPERIENCE:**

**Lending Club San Francisco, California**

**Software Engineer – Fulltime May 2022 – Oct 2023**

**Description:**

* Contributed to the Loan servicing side, actively involved in scheduling both one-time and recurring payments, generating payoff quotes, and offering enrollment in payment plans for delinquent borrowers.
* Developed REST APIs for revolve services and loan payment service using the Spring and Spring Boot frameworks, ensuring efficient and robust communication.
* Played a crucial role in the design and execution of batch jobs for extension plans, utilizing the Quartz framework for task scheduling. This approach ensures that borrowers are brought up to date once a year, positively affecting approximately 7000 borrowers daily.
* Enrolled delinquent borrowers in payment plans by efficiently handling a significant number of loans obtained from the EDH via Rest API's and skillfully persisted this data in the Oracle database. The utilization of multithreading techniques improved performance, resulting in an impressive reduction of 1000 milliseconds in batch job processing time.
* Contributed to the creation of payment plans for consumers by developing queries that retrieved the necessary rules and information from the MySQL database.
* Utilized AWS Lambda to design and deploy batch jobs that automatically triggered the High-risk cache Job on a predefined cron schedule.
* Successfully leveraged the BizOps framework for managing and storing failed processes within the Oracle database, facilitating the reprocessing of these events at a later stage. This led to a significant 100% enhancement in payment scheduling during the loan onboarding process.
* Implemented Kafka streaming to capture, process, and transform loan creation/modification events from upstream services into legal and email notifications. Furthermore, fine-tuned and optimized the Kafka consumer threads in response to traffic and the number of producer partitions, resulting in a noteworthy enhancement of approximately 50% in consumer performance.
* Significantly contributed to improving operational excellence within the team by crafting a range of Splunk and Wavefront dashboards, which effectively collected and presented crucial performance data and transaction rates for the services. These dashboards proved invaluable for analyzing our application's performance metrics.
* Configured multiple Jenkins pipelines, facilitating a streamlined CI/CD process for various projects, thus contributing to efficient and rapid software delivery.
* Utilized JFrog for streamlined artifactory management.

**Environment:** Spring, Spring boot, Rest API, Quartz framework, Kafka, AWS lambda, Dynamo DB, Cloud watch, Jenkins, Swagger, Maven, Splunk, My SQL, Oracle.

**Wells Fargo April 2020 – April 2022**

**Software Engineer – Contract San Leandro, California**

**Description:**

**Project 1:** WebATM is based on the user interactions with the ATM. It deals mainly with card Authentication, deposit, transfer, withdrawal, campaigning, and e-receipts. There are 65 applications both restful web services and SAF clients supporting the ATM.

**Project 2:** MRDC deals with the check deposit made from Mobile, analyzes the confidence score of the check and captures the business events.

**Responsibilities:**

* Worked in a Microservices based environment.
* Utilized Spring Boot framework for developing rest API end points and uses Spring DI Framework to auto wire dependencies.
* Used Apache Kafkafor consuming the check details from the Kafka main topic and makes a REST call to OCCON (consolidated service). Failure OCCON response is published into delay topic and MongoDB.
* Performed consistent refactoring for our backend java code by using various J2EE design patterns.
* Utilized JAX-RS, Spring Web for developing REST endpoints for the application for creating the endpoints.
* Used SQL Database (Oracle) for data persistence.
* Written SQL queries and stored procedures to retrieve and modify the data against the database.
* Performed API Automation Testing using Postman and ensures API’s are performance efficient and scalable.
* Assisted in writing BDD automation for WebATM application using Cucumber and Karate framework.
* Utilized GSON for serialization/deserialization of objects to JSON.
* Performed unit and integration testing using Junit and Mockito testing framework.
* Integrated Jenkins with Urban Code deploy for automating application deployments for QA VM’s.
* Performed deployment and release activities for Development VM’s through UCD(Urban Code Deploy).
* Utilized JFrog for Artifactory management.
* Utilized Pivotal Cloud Foundry for deploying the application.
* Utilized Splunk to collect and index logs and VMLogs to keep track of the services.
* Followed organizational defined code management processes like GIT.

**Environment:** Spring, Spring boot, Rest API, Kafka, SQL, MongoDB, Postman, Tomcat,Log4J, SLF4j, Gradle, Maven, UCD, PCF, Jenkins, BDD, PITest, Cucumber, Karate.

**Health Care Service Corporation Aug 2019 - March 2020**

**Java Developer – Contract Chicago, Illinois**

**Description:** Provider Information Enterprise Relations(PIER) is the migrated version of Premier Provider Web(PPW) and is an insurance project which predominantly deals with provider details and is built using microservices.

**Responsibilities:**

* Assisted in developing PIER (Provider Information Enterprise Relations) which handles the information like provider information, provider location details, bed availability, PIN, provider tax details etc.
* Played important role in migrating from the legacy system PPW (Premier Provider Web) to PIER.
* Created JPA’s for provider that handles provider designations, provider limitations, provider identification number, tax, individual med training org reference etc.
* Created endpoints for retrieving, creating, updating the provider information into the database.
* Utilized Rest API’s, Spring boot application for creating the endpoints.
* Used spring Auto wired, Rest controller annotations to implement business logic.
* Documented the endpoints using Swagger (API documentation).
* Used HQL (Hibernate Query Language) to query the database.
* Performed unit and integration testing using Junit and Mockito testing framework.
* Used Eureka cloud server to deploy the project and run the project instance.
* Utilized Maven for project’s dependency and lifecycle management.
* Used GIT for source code management.

**Environment:** Spring, Hibernate, Spring batch, Spring boot, HQL, Rest API, JPA, DB2, Swagger, WebSphere, Eureka,Log4J, XSLF4J, Maven, ANT.

**Education**:

Master of Science | Computer Science GPA: 3.67 09/2016-03/2019

California State University, San Bernardino

Bachelors | Electrical and Electronics Engineering GPA: 9.15 08/2012-04/2016

Jawaharlal Nehru Technology University, Kakinada, India