Amit Maharjan
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Full-stack developer with over 6 years of experience in building enterprise applications using **Java**, **Spring Boot**, **Angular**, and **AWS**. Specialized in designing microservices, developing **REST APIs**, and implementing event-driven systems for scalable and reliable platforms. Experienced in frontend development with **TypeScript**, **Material UI**, and **RxJS** to create responsive and dynamic user interfaces. Skilled in **CI/CD**, containerization with **Docker**, and test automation using **JUnit**, **Mockito**, and **JMeter**. Proficient in working with **PostgreSQL**, **MongoDB**, and **DynamoDB**, with strong participation in Agile teams, architecture discussions, and production monitoring using **Splunk**, **OpenTelemetry**, and **Spring Actuator**.

TECHNICAL TOOLS

Java 8/11/17/21, Spring Boot, Python, REST APIs, JPA, Hibernate, JDBC, Microservices, Angular 10/14/16, TypeScript, AWS, Docker, Jenkins, GitHub, Kubernetes, MySQL, PostgreSQL, MongoDB, DynamoDB, Redis, Kafka, OAuth2, JWT, JUnit, Mockito, CI/CD, Splunk, OpenTelemetry, Agile

PROFESSIONAL EXPERIENCE

Carta *Dec 2023 - Present*
Software Engineer *San Francisco, California*

Cap Table Explorer: *Created backend APIs using **Java** and **Spring Boot** to fetch cap table data from **PostgreSQL** in order to present ownership details by entity and share class for funding round evaluations. Built interactive components in **Angular** with filters and drill-down views so that legal and finance teams at Carta could analyze shareholder positions, transaction records, and dilution scenarios more clearly during investment discussions.*

Responsibilities:

- Built microservices using **Java 21** and **Spring Boot** to handle cap table data across environments by using **Spring Profiles** for loading specific configurations.
- Created REST APIs in **Java** to expose ownership and transaction data by using custom response models that supported structured access for frontend components.
- Developed user interface modules in **Angular 16** by applying lazy loading to reduce initial load time and added route guards to protect restricted views.
- Wrote HTTP interceptors in **TypeScript** to add tokens automatically and handle expired sessions in order to maintain secure and consistent user sessions.
- Set up **Kafka** consumers to receive share order events and used **Avro** schema validation so that incoming messages were processed correctly before reaching the database.
- Used **Spring Security**, **JWT**, and **OAuth2** to protect APIs by applying role-based filters that allowed or blocked access based on the user's role and scope.
- Created unit tests with **JUnit** and **Mockito** to check service logic by mocking dependencies and avoiding calls to external systems during test execution.
- Built CI/CD pipelines in **Jenkins** to run tests, create **Docker** images, and deploy backend services to **AWS ECS** for every successful code merge.
- Wrote **CloudFormation** templates to provision AWS services such as **ECS**, **RDS**, and **S3** and used **Parameter Store** to inject secrets into containers during deployment.
- Developed **Python** functions for **AWS Lambda** to handle background tasks triggered by **S3** file uploads and **DynamoDB** events in order to manage file cleanup and audit processing.

Technological Environment: Java 17/21, Angular 16, Spring Boot, Spring Profiles, Spring Actuator, RESTful APIs, TypeScript, Kafka, Schema Registry, MongoDB, PostgreSQL, RDS, JWT, OAuth2, RBAC, Spring Security, AWS ECS, EC2, Lambda, S3, Python, Parameter Store, Cloudformation, Docker, JUnit, Mockito, Redis, CI/CD, Jenkins, New Relic, Agile, Splunk, Confluence

Cedar Gate Technologies *June 2021 - July 2023*
Software Engineer *Greenwich, CT*

Member Account Summary Portal: *Created backend services using **Java** and **Spring Boot** to organize healthcare plan details by provider, tier, and cost structure for side-by-side comparison across custom payer networks. Built a dynamic **Angular** interface with filters, expandable rows, and pagination so that business analysts and support teams could easily review plan differences and access updated data without UI interruptions by using versioned APIs and feature toggles.*

Responsibilities:

- Rewrote a legacy Java application into modular **Spring Boot** microservices using **DTO layers** and a centralized config server to simplify deployments and updates.
- Created dynamic frontend components in **Angular 14** using **RxJS** and Material Design to support real-time search, form validation, and paginated views for comparing healthcare plans.
- Built REST APIs with **Spring Boot** and applied input validation and error handling so that client applications received clear and reliable responses.
- Implemented **Kafka** consumers with retries and dead-letter queues to improve data reliability and added topic-level counters to monitor failed messages.
- Connected backend services to **MySQL** for transactional data and used **MongoDB** for storing logs and analytics by integrating with **Spring Data**.
- Used **Docker** and **Kubernetes** with **Helm charts** to deploy microservices across environments and manage secrets and configurations efficiently.
- Automated infrastructure using **AWS CloudWatch**, **Lambda**, and **S3** to run scheduled tasks and track system resource usage through alerts.
- Used **Python** scripts with **Pandas** and JSON utilities to reformat legacy data so that it could be consumed by new APIs during migration.
- Set up CI/CD workflows using **GitHub Actions** and **Jenkins** to validate builds, run tests, and deploy only tested code to production environments.

Technological Environment: Java 11, Angular 14, Spring Boot, RESTful APIs, Python, Spring Cloud Gateway, Kafka, Mysql, MongoDB, DynamoDB, RxJS, TypeScript, Docker, Jenkins, Kubernetes, Lambda, S3, CloudWatch, CI/CD, JUnit, Mockito, GitHub, Agile, Splunk, Material UI, Microservices

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Leapfrog Technologies *Dec 2018 - May 2021*
Java Developer *Seattle, WA*

Employee Benefits Enrollment Tool: *Developed backend services using **Spring** to manage benefit selections and retrieve eligibility rules based on department codes and employment types. Built a dynamic **Angular** interface with conditional forms and custom validation so that HR teams could track enrollments during open periods and view payroll-ready summaries, while also replacing legacy **SOAP** integrations with **REST APIs** to support modern reporting needs.*

Responsibilities:

- Built backend services in **Java 8** using **Spring MVC** and DAO patterns to manage employee data and eligibility rules stored in **MySQL**.
- Created dynamic forms in **Angular 10** using **Reactive Forms** and TypeScript services to handle conditional inputs based on selected benefit plans.
- Replaced older **SOAP** flows by creating modern **REST APIs** using **Spring Boot**, allowing consistent integration with reporting and payroll modules.
- Parsed and transformed incoming **XML** data using **JAXB** and applied schema checks through **XSD** before converting it into domain objects.
- Developed backend controllers and frontend views using **JSP**, **JSTL**, and **Spring MVC** to support legacy UI dashboards and admin tools.
- Stored temporary enrollment data in **MongoDB** and used Linux **cron jobs** with shell scripts to remove expired entries regularly.
- Wrote unit tests in **JUnit** and mocked service logic with **Mockito** to cover data access and business workflows inside benefit modules.

Technological Environment:
Java 8, Angular 10, Spring, Spring Boot, RESTful APIs, MVC, JSP, JSTL, SOAP, XML, JAXB, WSDL, XSD, TypeScript, Reactive Forms, JavaScript, jQuery, MongoDB, MySQL, WAR, Tomcat, Log4J, JUnit, Mockito, AJAX, Agile, HTML, CSS, Linux

EDUCATION

East Tennessee State University
Master of Science in Computer Science (Software Engineering)
GPA: 4.0

Tribhuvan University
Bachelor of Engineering in Computer Engineering
Grade: Distinction