

Marcellus Mohanna

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Skills

Languages: Java, JavaScript, TypeScript, SQL

Frameworks: Spring Boot, Node.js, React, RxJs, JUnit, Mockito

Cloud and Databases: AWS, Kafka, Docker, Terraform, Kubernetes, PostgreSQL, MySQL, Redis

Experience

Full Stack Software Engineer Consultant | Callibrity | *Cincinnati, OH* 2021 - 2025

Fifth Third Bank Project | 2024 - 2025

- Enabled debit card replacement across ATM servicing workflows by designing and building a Java Spring Boot microservice with 6 REST endpoints, 2 Kafka consumers, 3 producers, and 5 database tables; supported infrastructure and deployments with Terraform and Jenkins CI/CD.
- Led technical design across 5 cross-functional teams, translating servicing requirements into REST contracts, Kafka event workflows, and third-party payment processor integrations.
- Designed a unified card lifecycle data model supporting legacy Worldpay/RAFT cards and modern FIS-backed debit cards
- Implemented event-driven card processing workflows with Kafka across all banking domains

Flywire Project | 2021 - 2024

- Modernized a \$2.3B educational payments platform built in Java, React, Spring, AWS, Redis, and MySQL
- Redesigned 5 high-traffic client-facing reports by optimizing Hibernate and SQL queries, implementing server-side caching, and adding responsive JavaScript, reducing generation times from 20 seconds to 1 second
- Improved delivery reliability by migrating email delivery to AWS SES using Java and AWS SDK
- Built a LocalStack testing suite to mock AWS S3 and SES locally, reducing network dependency
- increased Unit and Integration test coverage of domain logic to 80% using JUnit 5 and Mockito.

Full Stack Software Engineer | ODW Logistics | *Hamilton, OH* 2021

- Built 20+ features for a Cargo Truck Management System using Java, Spring, React, and RxJs
- Led the transformation of internal time zone data of 1 million+ geolocation data points across 7 years using the TimeZoneDB API, reducing time zone ambiguity of internal data

Full Stack Software Developer | Treasurer of State of Ohio | *Columbus, OH* 2020 - 2021

- Redesigned an external-facing banking application into a single-page application using Java, Spring Boot, React, and SQL, reducing average page response time from 3 seconds to 0.5 seconds
- Led an internal ledger dashboard project and facilitated sprint planning and daily stand-up meetings

Education

M.S. in Computer Science - Georgia Institute of Technology 2025 - Current

B.S. in Computer Science - Miami University 2016 - 2020

Interests

Moved to Milan, Italy and studied Italian to a B2 (Advanced) level in October 2025