

# Yohannes Gebreslasie

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## SOFTWARE ENGINEER

Highly motivated Software Engineer with 5+ years of experience in developing scalable and secure full stack applications across FinTech, e-commerce, and open-source projects. Experienced in Java, Spring Boot, Angular and Kafka to deliver robust and user-friendly solutions. with a focus on event driven systems. Committed to continuous learning, I bring creative problem-solving skills and a dedication to delivering innovative solutions for complex challenges.

## PROFESSIONAL EXPERIENCE

### Senior Software Engineer

July 2020 – July 2023

GSSA Industries, Addis Ababa, Ethiopia

- Designed, developed, and deployed highly secure and scalable RESTful APIs using Spring Boot and Spring Security for core banking applications.
- Migrated Loan Management API to a microservices architecture, improving API response time by 40% through effective use of API Gateway and Application Load Balancer.
- Streamlined data exchange between banking systems using Spring Integration and Kafka, reducing latency by 25% and enabling real-time transaction processing.
- Optimized data retrieval performance within the bank's data layer by refactoring code and SQL queries, resulting in a 50% improvement in data retrieval speed, this translates to faster loan approvals, account information access, and overall efficiency within the bank.
- Set up CI/CD pipelines using Jenkins, automating the deployment of critical modules, which reduced manual errors and shortened deployment times by 50%.
- Architected and deployed serverless applications on AWS using Lambda, DynamoDB, and API Gateway, resulting in a 30% reduction in operational costs and improved scalability.
- Managed deployment, scaling, and automation of containerized applications using Red Hat OpenShift, integrating CI/CD pipelines and ensuring high availability, security, and performance across multi-cloud environments.

### Software Engineer

July 2018 – June 2020

GSSA Industries, Addis Ababa, Ethiopia

- Utilized Spring technologies, including Hibernate, JPA, and Spring Data JPA, to implement the Data Access Layer (DAO) for efficient database interaction.
- Leveraged Angular framework in conjunction with HTML, CSS, and Typescript to develop high-performance single-page web applications.
- Conducted comprehensive unit and integration tests using JUnit and Mockito to ensure code quality and functionality.
- Participated in peer-to-peer code reviews, providing constructive feedback and addressing local bug fixes, resulting in a 25% reduction in additional costs.
- Implemented a user authentication system with various roles using OAuth 2.0 and JWT resulting in a smoother login experience.
- Set up continuous integration and continuous deployment (CI/CD) jobs using Azure DevOps

**Technologies Used:** *Java, Spring Boot, JWT, Hibernate, MySQL, PostgreSQL, Oracle Database, MongoDB, Eclipse, HTML5, Angular, JavaScript, Bootstrap, CSS, jQuery, Javascript, Typescript, Tomcat, RabbitMQ, Kafka, JUnit, Mockito, Git, Docker, Jenkins, Kubernetes, Swagger, Maven, StarUML, Node.js, Express.js, OpenShift*

## SKILLS

**Languages:** Java, TypeScript, C++

**Web:** HTML5, CSS3, JavaScript, Angular, AJAX, jQuery

**Web Services:** REST, GraphQL, WebSocket, SSE, SOAP

**Web Servers / Reverse Proxies:** Nginx , Apache Tomcat, JBoss

**Frameworks:** Spring, Spring Boot, Express, Angular, Bootstrap, Tailwind

**Databases:** PostgreSQL, MySQL, SQLite, MS SQL Server, MongoDB, Cassandra, ksqldb, Redis

**Design Patterns:** MVC, Observer, State, Composite, Iterator, Saga, Chain of Responsibility, Proxy, Decorator, Adapter, Template method, Mediator, Prototype, Factory, Builder, Singleton

**SDLC:** Agile, Scrum, Kanban, Waterfall, Test Driven Development (TDD), Behaviour Driven Development (BDD)

**Tools:** Git, Github, Swagger, Postman, Docker, Kubernetes, Kafka, Jenkins, Jira, OpenShift

**Platforms:** Windows, Linux, MacOS

SDLC • DBMS • SOA • UI/UX Design • Design Patterns • System Design and Architecture •  
Continuous Integration / Continuous Delivery (CI/CD)

## EDUCATION

### MS in Computer Science

Maharishi International University, Fairfield, Iowa

GPA: **3.62/4**

### BSc degree in Electrical and Computer Engineering

Mekelle University, Mekelle, Ethiopia

GPA: **3.74/4**