

## Teketsel Beyene

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### Software Engineer

Software Engineer with 6+ years of experience designing and delivering scalable microservices and cloud-based solutions. Expertise in Java, Spring Boot, AWS, React, and DevOps practices. Skilled in API development, CI/CD automation, database optimization, and IT risk management. Proven ability to reduce processing times by 40%, enhance system resilience, and accelerate deployments. Adept at working across the full SDLC in Agile environments.

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**Languages & Frameworks:** Java (J2EE, Spring Boot, Hibernate, Spring Cloud, Spring Security, Spring Batch), Python, C++, Node.js, Express, Angular, React, Redux

**Cloud & DevOps:** AWS (EC2, S3, RDS, Lambda, EKS, ECS, VPC), Docker, Kubernetes, Jenkins, Terraform, Prometheus, Grafana

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

**Databases:** MySQL, PostgreSQL, Oracle, MongoDB, Cassandra, DB2, Redis

**Messaging & Streaming:** Kafka, RabbitMQ, ActiveMQ, Zookeeper, Resilience4j, Netflix Hystrix

**Design Patterns:** Microservices, MVC, Singleton, Observer, Repository, Circuit Breaker, Saga, API Gateway

**Tools:** Eclipse, IntelliJ Idea, VS Code, Maven, Gradle, JUnit, Mockito, Postman, Tableau, Control M, Apache Kafka, Apache Spark, RabbitMQ, ActiveMQ, Star UML, Docker, Kubernetes, Git, GitHub, DevOps, Jakarta Persistence, , ELK Stack, JMeter, Consul, Zookeeper.

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### PROFESSIONAL EXPERIENCE

#### REVATURE-United State

##### Software Engineer | Feb 2024 – Present

- Built Spring Boot microservices for core payment workflows (fund transfers, bill payments, refunds) and exposed secure REST APIs.
- Designed a real-time fraud detection module using Kafka for event streaming and Resilience4j for fault tolerance.
- Optimized PostgreSQL (financial records) and MongoDB (fraud logs), improving query performance by 25%.
- Developed React dashboards for customers (payment tracking) and admins (fraud alerts, KPIs), integrated with Tableau for reporting.
- Automated CI/CD pipelines with Jenkins, containerized with Docker, and deployed on AWS EC2/RDS.
- Implemented system monitoring with Prometheus & ELK Stack.

**Technologies:** Java, Spring Boot, REST APIs, Kafka, PostgreSQL, MongoDB, Jenkins, Docker, AWS (EC2, RDS), Tableau, Prometheus, ELK, Resilience4j, Agile

#### SHARONAT International – Prague, Czech Republic

##### Full Stack Java Developer | Nov 2021 – Jan 2023

- Developed a comprehensive event management system with Java, Spring Boot, React, Angular, PostgreSQL, and MongoDB.
- Integrated third-party APIs to expand application functionality and deliver complete solutions.
- Improved testing efficiency by 30% using JUnit, Mockito, TDD, and CI/CD pipelines.

- Automated deployments with Jenkins & Docker, ensuring fast and reliable releases across dev, QA, and production.
- Leveraged AWS EC2 & RDS for scalability and resilience.
- Enhanced real-time communication with Kafka messaging frameworks, enabling seamless data flow.
- Reduced testing cycle time by 20% through continuous integration.

**Technologies Used:** Junit, Mockito, Jira, Java, Spring Boot, JavaScript, PostgreSQL, MongoDB, TDD, Jenkins, Maven, ELK Stack, Prometheus, Zookeeper, ELB, Spring Cloud, Tableau, Docker, OBIEE, Kafka, AWS (EC2 and RDS), Resilience4j, Eclipse/IntelliJ IDEA, RESTful APIs, Agile methodologies.

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## **Information Network Security Agency – Addis Ababa, Ethiopia**

**Software Developer | Jan 2017 – Aug 2021**

- Created an enterprise billing system with Java, Spring Boot, React, Angular, PostgreSQL, and MongoDB → reduced billing errors by 30% and improved accuracy by 25%.
- Designed a resilient microservices architecture with Spring Cloud for scalability and adaptability.
- Implemented OAuth 2.0 authentication, securing APIs and protecting sensitive data.
- Built Spring Batch applications for high-volume API requests and concurrent data processing, improving throughput.
- Leveraged Kafka, Hibernate, JPA, Servlets, JDBC for efficient data integration.
- Automated development and deployment pipelines with GitLab, Jenkins, Docker, Kubernetes, AWS.
- Applied Netflix Hystrix & rate limiting to ensure system fault tolerance and traffic management.

**Technologies Used:** Java, J2EE, Spring MVC, HTML, CSS, JavaScript, React, Spring Framework, RESTful, MongoDB, IntelliJ IDEA, Maven, Git, Jira, Jenkins, Netflix Hystrix, ELK Stack, Prometheus, Tableau, AWS, OAuth 2.0, Hibernate, JPA, Agile methodologies,

### **EDUCATION**

#### **Master of Science in Computer Science. (2022-2024)**

Maharishi International University, Fairfield, Iowa

**Key Courses:** Modern Programming Practices, Fundamental Programming Practices, Web Application Programming, Web Application Architecture, Enterprise Architecture, Software Architecture

#### **Bachelor of Science in Computer Science. (2012-2016)**

Arba Minch University, Arba Minch, Ethiopia

**Key Courses:** Software Engineering, C++, C, Java, Operating Systems, Computer Networks, Advanced Databases (SQL), Artificial Intelligence, Data Structures and Algorithms, Web Design (PHP, XML)