KALEB BEKELE NURAMO

Senior Java Backend Engineer | Spring Boot • Microservices • Distributed Systems

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PROFESSIONAL SUMMARY

Java backend engineer with 4+ years of enterprise software experience building and supporting production systems in banking and payments. Hands-on with Java/Spring Boot microservices, REST APIs, Spring Data/JPA and Hibernate, Kafka event-driven workflows, PostgreSQL, Redis, and containerized applications on Kubernetes/OpenShift. Experience includes secure payment and third-party integrations, OAuth 2.0/JWT security, GraphQL, Java Streams/Lambdas, concurrency, automated testing with JUnit/Mockito, CI/CD, JVM profiling, observability, and production troubleshooting across distributed systems.

TECHNICAL SKILLS

Java & Backend	Java 8+, Spring Boot, Spring Data/JPA, Hibernate, Spring Security, REST APIs, GraphQL, Microservices, Streams/Lambdas, Maven, Gradle
Distributed Systems	Apache Kafka, event-driven architecture, Redis / Redis Stack, asynchronous workflows, concurrency/multithreading, service-to-service integration
Data	PostgreSQL, relational modeling, SQL, query troubleshooting, caching, data integration
Testing & Performance	JUnit, Mockito, automated testing, JVM profiling with VisualVM, performance analysis and production debugging
Platform & Delivery	Docker, Kubernetes, OpenShift, Linux, Git, GitFlow, GitLab CI/CD, bare-metal infrastructure
Security & IAM	OAuth 2.0, OpenID Connect, JWT, Keycloak, SAML 2.0, LDAP, RBAC, identity brokering and federation
Observability	Prometheus, Grafana, OpenTelemetry, Jaeger, application logs, metrics, tracing, production incident analysis

PROFESSIONAL EXPERIENCE

IS Officer | Commercial Bank of Ethiopia | Addis Ababa **Nov 2021 - Present**

Internal progression: Junior IS Officer III → Junior IS Officer II → Junior IS Officer I → IS Officer

- Develop and support Java/Spring Boot backend services and REST APIs for the School Management & Payment System (SMPS), a multi-service enterprise platform for school administration and payments, using Spring Data/JPA, Hibernate, PostgreSQL, Maven/Gradle, and modern Java features including Streams and Lambdas.
- Design, configure, and troubleshoot Keycloak IAM and SSO flows, including realms, clients, roles, OAuth 2.0, OpenID Connect, SAML, JWT, LDAP integration, identity brokering, and application authorization.
- Within SMPS, work on secure banking, payment, and third-party integrations involving core banking systems, domestic and international card channels, CBE Birr, mobile-money services, REST APIs, and GraphQL.
- Build and support Kafka-based event-driven workflows and asynchronous service integrations; deployed and tested multi-node Kafka infrastructure on bare-metal servers.
- Configured Redis / Redis Stack infrastructure on bare metal and integrated it with application services for caching and shared platform use.
- Deploy and operate containerized workloads on OpenShift, supporting service configuration, networking, secrets/configuration, CI/CD, release troubleshooting, and production fixes.
- Troubleshoot production issues across APIs, authentication, messaging, databases, networking, and platform layers; investigate Java performance and runtime behavior using logs, metrics, distributed tracing, and JVM profiling with VisualVM.
- Use JUnit and Mockito for Java testing, and Prometheus, Grafana, OpenTelemetry, and Jaeger for observability, incident investigation, performance analysis, and system reliability work.
- Earlier in my CBE tenure, contributed to a reporting web application for the International Banking Directorate in an Agile/Scrum team, working with PostgreSQL, backend/web development, and source-control workflows.

SELECTED ENGINEERING HIGHLIGHTS

- Java application engineering: build Spring Boot services using Spring Data/JPA and Hibernate, modern Java Streams/Lambdas, Maven/Gradle, REST APIs, and GraphQL.
- Production & performance: investigate backend failures, concurrency-related behavior, JVM/runtime performance, and cross-layer incidents using VisualVM, application logs, metrics, tracing, and platform diagnostics.
- Event-driven & caching: work with Kafka producers/consumers, asynchronous workflows, Redis / Redis Stack, and PostgreSQL-backed services in distributed application environments.
- Cloud-native delivery: operate workloads on Kubernetes/OpenShift with Docker and GitLab CI/CD; diagnose service, route, DNS, networking, configuration, deployment, and reliability issues.
- Security & IAM: implement and troubleshoot OAuth 2.0/OIDC, JWT, Keycloak, SAML federation, LDAP, RBAC, and external identity-provider integrations.
- FinTech integration: contribute within SMPS to secure banking and payment integrations spanning core banking systems, card channels, mobile money, and digital-payment services.

INDEPENDENT & PERSONAL PROJECTS

Independent Software Engineer | Selected Projects | Remote **Mar 2023 - Present**

- **AidTrace - multi-portal fund-assurance platform for NGOs, funders, and intermediary partners, built with React/TypeScript, Supabase (PostgreSQL), Auth0 authentication, and role-based access control.**
- **Outdoor Adventure Booking - Ruby on Rails and PostgreSQL application; built backend features, relational data models, RESTful workflows, and RSpec test coverage during active development from Mar 2023 to Apr 2025.**

EDUCATION & TRAINING

B.Sc. Computer Science | Microlink Information Technology College | Addis Ababa **Dec 2016 - Jan 2021**

GPA: 3.5 | Coursework included programming, computer networking, information security, and artificial intelligence.

Certificate - Full Stack Web Development / Remote Work | Microverse | Remote **Mar 2023 - Sep 2023**

1,300+ hours of structured project work in Ruby, Ruby on Rails, JavaScript, React, algorithms, data structures, GitFlow, remote pair programming, and collaborative software development.

CERTIFICATIONS

DevOps Foundation | Unichrone | Credential ID 98156 | Issued Feb 2026

EARLIER EXPERIENCE

IS Trainer | New Bright Community Development Center | Addis Ababa **Apr 2021 - Nov 2021**

- Delivered programming and basic computing instruction and mentored junior developers in practical software-development skills.