

John Eliud Odhiambo

Full Stack Developer

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

Professional Summary

Full Stack Developer with three years of experience building scalable web applications, backend services, and database-driven systems. **At UNDP, delivered a digital marketplace that processes thousands of transactions while maintaining 99.5% uptime during peak seasons.** Combines strong backend expertise in Java Spring Boot and Go with modern frontend development in React and Angular. Experienced in event-driven architecture using Kafka, database design across SQL and NoSQL, and CI/CD deployment pipelines.

Looking for a role where I can own features end-to-end, collaborate with cross-functional teams, and build systems that scale.

Core Technical Skills

Languages:	Java, Go, JavaScript (ES6+), Rust, SQL
Backend:	Spring Boot, Node.js, Express, REST APIs, Microservices, Kafka, JPA, Hibernate
Frontend:	React, Next.js, Angular, TypeScript, Tailwind CSS, Bootstrap, Angular Material
Mobile:	React Native
Database:	PostgreSQL, MySQL, MongoDB, Neo4j, Query Optimization, Database Design
DevOps & Tools:	Docker, Jenkins, GitHub Actions, SonarQube, CI/CD, Git, Linux/SSH
Testing:	JUnit, Mockito, Jest, React Testing Library, Jasmine, Karma, Integration Testing
Architecture:	Monolith, Microservices, Event-Driven Architecture, RESTful API Design, Modular Service Design

Professional Experience

Full Stack Developer **2025 – Present**
Zone01 Kisumu

- Developed backend services using Java Spring Boot and Go, **servicing 1,000+ daily active users**. Implemented RESTful APIs with JWT authentication and role-based access control.
- Built responsive web applications using React and TypeScript. **Reduced time-to-interactive from 3.2 seconds to 1.4 seconds** through code splitting, lazy loading, and image optimization.
- Designed PostgreSQL schemas for transaction data. **Optimized slow queries from 1.2 seconds to 180 milliseconds** by adding composite indexes and rewriting join logic.
- Implemented event-driven microservices using Kafka for asynchronous communication. **Processed 1,000 messages per hour with zero data loss.**

- Configured CI/CD pipelines with GitHub Actions and Docker. **Reduced deployment time from forty minutes to twelve minutes.**
- **Maintained production systems with 99.5% uptime.** Diagnosed and resolved production issues including database connection leaks and memory bottlenecks.
- Structured systems into clean, modular services with clear separation of concerns. **Reduced cross-service coupling by 40%** through API contract design.
- Conducted code reviews for team members, providing constructive feedback on code structure, performance, and error handling. **Reduced post-merge defects by 30%.**
- Wrote unit and integration tests using JUnit and Mockito, **maintaining 85% code coverage.**

**Full Stack Developer
BongoHub (Contract)**

2025 – 2026

- Built backend services for a multi-tenant platform serving 1,000 users. Implemented REST APIs for user management, content moderation, and analytics.
- Developed responsive web applications using React and Tailwind CSS. **Reduced bundle size from 2.1 MB to 1.2 MB** through dynamic imports and image optimization.
- Designed PostgreSQL schemas for high-volume transaction data. Optimized complex join queries, **reducing average response time from 400ms to 120ms.**
- Built event-driven architecture using Kafka for real-time analytics processing. Handled 3,000 events per hour with sub-second latency.
- Deployed services using Docker and managed Linux servers via SSH for production deployments.
- Collaborated with product, design, and QA teams to deliver features end-to-end. Participated in code reviews and agile ceremonies.
- Diagnosed and resolved production issues including API latency spikes and database connection pool exhaustion. **Reduced incident response time from two hours to thirty minutes.**

**Full Stack Developer
United Nations Development Programme - UNDP (Contract)**

2025 – 2026

- Built services for a digital marketplace handling two million transactions. Implemented payment processing, user verification, and transaction reconciliation.
- Developed React frontend for 500 farmers and buyers across four counties. Designed responsive layouts optimized for low-bandwidth 2G connections.
- Designed PostgreSQL schemas for transaction records with support for 1,000 concurrent requests during peak harvest seasons. **Achieved 99.5% uptime with zero data loss.**
- Selected Neo4j over PostgreSQL for a user relationship feature, **reducing graph traversal time from 2 seconds to 200 milliseconds.**
- Structured systems into modular services with clear separation of concerns. Decoupled payment processing from inventory management using event-driven patterns.
- Implemented complex form workflows with 15-step registration. **Reduced form abandonment from 45% to 18%** by adding progress indicators and auto-saving partial entries.
- Supported production stability through proactive monitoring and incident response. **Reduced incident resolution time from two hours to thirty minutes.**

- Collaborated with field services and product teams to translate requirements into scalable technical solutions.

Education

The Co-operative University of Kenya
Diploma in Information Technology