BRIAN MORARO

Backend Engineer
📍 Kisumu, Kenya (Open to Relocation) | ✉ oikobrian99@gmail.com | 📞 +254 793959047
| [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Highly disciplined and self-taught Backend Engineer with **3+ years of experience** building scalable services and APIs. Through rigorous self-study and hands-on development, I have mastered **Java (Spring Boot)**, microservices architecture, and cloud infrastructure. A proactive problem solver with a deep understanding of **DevSecOps** and CI/CD pipelines. Passionate about continuous learning and engineering best practices, I am eager to leverage my adaptability and technical expertise to build resilient enterprise platforms at **Safaricom**.

TECHNICAL SKILLS

- **Backend Development:** Java (Spring Boot), Python (Django/Flask), Golang (Gin), Node.js.
- **API & Integration:** RESTful APIs, JSON, XML, gRPC, Service Orchestration, Microservices.
- **Databases:** PostgreSQL, MySQL, NoSQL (MongoDB), Redis.
- **Cloud & DevOps:** AWS (EKS, Lambda), Docker, Kubernetes, CI/CD (GitHub Actions), SonarQube.
- **Frontend:** React, Next.js, JavaScript (ES6+) — *Full Stack Awareness.*
- **Methodologies:** Agile/Scrum, TDD, System Architecture, Technical Writing.

PROFESSIONAL EXPERIENCE

Full Stack Engineer (Backend Focus) | Zone01 Kisumu | *Apr 2024 – Present*

- Architected and deployed high-performance backend microservices using **Golang and Python**, reducing average API response latency by **40%**.
- Designed a scalable cloud infrastructure on **AWS EKS** using **Docker** and Kubernetes, ensuring **99.9% uptime** and fault tolerance for production workloads.
- Implemented **CI/CD pipelines** using GitHub Actions to automate testing and deployment, aligning with **DevSecOps** best practices.
- Collaborated with frontend engineers to integrate complex backend logic with React interfaces, ensuring seamless data flow.
- Developed an AI-driven prediction service, managing data ingestion and processing pipelines for real-time analytics.
- Participated in rigorous peer-to-peer code reviews, ensuring adherence to clean code standards and architectural patterns.

Software Developer & Technical Consultant | Freelance | *Mar 2023 – Dec 2023*

- Developed a robust **Inventory Management System** backend using **Python (Django)** and **PostgreSQL**, optimizing database queries to handle large datasets.
- Designed and documented **RESTful APIs** for integration with third-party financial services, ensuring secure data transmission.
- Built and delivered 5+ CRUD applications for startups, handling the full software development lifecycle (SDLC) from requirements gathering to deployment.
- Authored comprehensive technical documentation for APIs and system architecture, reducing client onboarding time by **50%**.
- Implemented authentication and authorization protocols (JWT/OAuth) to secure sensitive user data.

INDEPENDENT LEARNING & PROFESSIONAL DEVELOPMENT

Self-Taught Software Engineering | *2019 – Present*

- **Curriculum:** Rigorous, self-directed study of Computer Science fundamentals, Data Structures, Algorithms, and System Design.
- **Key Focus Areas:** Mastered **Java & Spring Boot** ecosystem through official documentation and building enterprise-grade projects.
- **Achievements:** Successfully transitioned from concept to deployment on multiple full-stack projects without formal institutional guidance.

Zone01 Kisumu | *january 2024 – Present*

- Selected for the intensive, peer-to-peer software engineering program (01 Edu model).
- Focusing on advanced algorithms, low-level programming in Go, and modern full-stack architecture.

PORTFOLIO HIGHLIGHTS

- **Let's Play API (Java/Spring Boot):** Designed a secure RESTful CRUD API using Spring Boot 3 and MongoDB. Implemented JWT authentication, Role-Based Access Control (RBAC), and password hashing (BCrypt) to ensure enterprise-grade security.
- **Smart Traffic Predictor:** A microservice-based application utilizing Python and TensorFlow for real-time traffic analysis, deployed via Docker containers on AWS.
- **Fintech Transaction Service:** Built a high-concurrency transaction processing engine ensuring ACID compliance using relational databases.