

Fred Gitonga

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Location: Kisumu/Nairobi, Kenya

Professional Summary

Software engineer with 1.5 years of experience specializing in backend development using Go and 6 months of frontend development experience with JavaScript. Skilled in building scalable, maintainable applications and optimizing system performance. Proficient in designing RESTful APIs, debugging, and collaborating with teams to deliver high-quality software solutions.

Technical Skills

Programming Languages: Go, JavaScript

Frameworks & Libraries: Gin

Databases: PostgreSQL

Tools & Platforms: Docker, Git, CI/CD (GitHub Actions)

Testing Tools: Postman, Go's `testing` package

Other Skills: REST API Design, Test-Driven Development (TDD)

Work Experience

Junior Software Engineer

Zone01, Kisumu, Kenya

April 2024 – Present

- Developed and maintained backend systems using Go, focusing on performance optimization and scalability.
- Designed and implemented RESTful APIs, enabling seamless communication between systems.
- Debugged and resolved critical issues in software applications, improving system uptime by 25%.
- Collaborated with cross-functional teams to deliver web applications within project timelines.
- Conducted code reviews to ensure adherence to coding standards and best practices.

Education

Bachelor of Science in Mathematics

University of Nairobi, Nairobi, Kenya
September 2017 – September 2021

Projects

Portfolio Website (JavaScript, Node.js)

- Built a responsive personal website to showcase projects and blogs.
- Integrated email functionality using Node.js, Express, dotenv, and Nodemailer.

ATM Management System (C)

- Developed a file-based system to manage user authentication, account updates, and transactions.
- Ensured efficient file operations and data integrity through structured error handling.

Blog API (Go)

- Designed and deployed a RESTful API to manage blog posts and comments.
- Implemented CRUD operations with proper error handling and unit testing.