Brian Rotich

Software Engineer

| Nairobi, Kenya | Email: brianrotich097@gmail.com | Phone number: +254719514776

| Portfolio site: https://briankrotich.vercel.app | github:https://github.com/rotich-brian

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Summary

Dynamic and results-oriented software engineer with extensive experience in developing scalable web applications and crafting innovative solutions. Adept at leveraging problem-solving and coding skills to enhance system performance and usability. Passionate about building user-centric applications and driving technological advancements.

Key Skills

Software Development | Web Application Design | Backend Engineering | Database Management | API Integration | Cloud Computing | Containerized Microservices (Docker) | Agile Methodologies | Version Control (Git) | Problem-Solving | Debugging and Testing | Time Management | Team Collaboration | Effective Communication | Continuous Learning | Creative Engineering Solutions

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Experience

E-Learning Platform (Icourse) February – November 2024 **Tech Stack: Reactjs, Go, MongoDB** Nairobi, Kenya Designed a full-stack web application enabling seamless online learning experiences.

- Built a secure backend using Go, featuring user authentication and users, course management with MongoDB.
- Developed an intuitive front-end interface with React, enhancing user engagement and accessibility.
- Integrated RESTful APIs to ensure efficient communication between the front end and back end.

Student University Portal App August – November 2024 **Tech Stack: Kotlin, Golang, Firebase** Nairobi, Kenya Created a mobile application for students to check their results and share academic documents.

- Implemented user authentication and a database mechanism using Firebase to ensure resource accessibility.
- Designed a user-friendly interface with Kotlin to provide an intuitive and engaging user experience.
- Built a system where users gain access to school updates and encouraging resource sharing.

Core Competencies

- Applies engineering principles to solve complex problems using sound and innovative approaches.
- Quickly adopts new engineering methods and integrates them into workflows.
- Actively seeks feedback and applies industry best practices to improve technical solutions.
- Demonstrates excellence in time management and delivering results within cooperative team environments.

Technical Proficiency

- Experience with backend systems and microservices using tools such as Git, Github actions.
- Proficient in programming languages such as Python, Java, Go, JavaScript and DB management.
- Passionate about quality, performance, and software reliability.

Education

Bachelor of Computer Science Graduation Year: 2026 **Kenyatta University** Nairobi, Kenya

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Languages

Swahili: Native.
English: Proficient.