

BRIAN MORARO

Full Stack Developer | Software Innovator

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## PROFESSIONAL SUMMARY

Innovative and product-driven Full Stack Developer with 3+ years of experience building scalable applications in high-growth sectors including fintech, healthcare, and sustainability. Proven expertise in leveraging AI (TensorFlow), Blockchain (ICP), and Cloud technologies (AWS, Docker) to deliver measurable results. Seeking a collaborative partnership with Prodstor to contribute technical skill and a product-owner mindset in exchange for equity and the opportunity to build impactful solutions..

## TECHNICAL SKILLS

- **AI & Data Science:** TensorFlow, Data Processing, Model Deployment
- **Blockchain:** Internet Computer Protocol (ICP), Smart Contracts, Canisters
- **Cloud & DevOps:** AWS EKS, GCP, Docker, GitHub Actions
- **Backend:** Golang (Gin), Python (Django, Flask), Rust, REST/GraphQL APIs
- **Frontend:** JavaScript (ES6+), React, Next.js, HTML5, CSS3
- **Databases:** MySQL, SQLite
- **Tools & Methods:** Git, Figma, Agile Development, Technical Writing

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## PROFESSIONAL EXPERIENCE

### **Full Stack Developer | Zone01 Kisumu | Apr 2024 – Present**

- Engineered and deployed an AI-driven traffic prediction model using TensorFlow and Flask, improving system forecasting accuracy .
- Optimized backend API services written in Golang (Gin), reducing average response times by **[e.g., 200ms]** and improving throughput.
- Enhanced user experience by implementing React code splitting and lazy loading, which decreased front-end load time by **30%**.
- Architected a scalable and reliable cloud deployment pipeline using Docker containers orchestrated on AWS EKS.
- Developed decentralized application features by integrating smart contracts and canisters on the Internet Computer Protocol (ICP).

### **Freelance Full Stack Developer & Technical Writer | Mar 2023 – Dec 2023**

- Developed a full-stack inventory management system (Django/React) for an SME client, reducing reported stock losses by **25%**.
- Built and delivered multiple CRUD applications for startups in finance and agri-tech, consistently meeting **100%** of project deadlines.
- Authored clear technical documentation and user guides, reducing client onboarding time and improving software adoption.

## EDUCATION

**Bachelor of Science in Information Technology** | Kirinyaga University | 2019 – 2022

- *Relevant Coursework:* Software Engineering, Database Systems, Cloud Computing
- *Capstone Project:* Developed an AI-driven solution for [mention a specific problem, e.g., "crop disease detection"] using full-stack technologies.

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### PORTFOLIO HIGHLIGHTS

- **Smart Traffic Predict:** An AI-powered congestion prediction tool built with TensorFlow and Flask. Deployed on Docker and AWS EKS, featuring blockchain data integrity checks via ICP.
- **E-Commerce Platform:** A secure online store built with React and Rails, featuring user authentication, cart management, and payment integration.
- **Agri-Tech Data Dashboard:** An interactive analytics dashboard for real-time farm data visualization, built with React and D3.js.

### REFEREES

NAME	CONTACT	EMAIL	ROLE
• Owen Bosire	+254 725 540982		Teacher
• Festus Oenga	+254 799 308773	<a href="mailto:oengafestus11@gmail.com">oengafestus11@gmail.com</a>	Mentor
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