

Brandon Ogola

Full Stack Developer & AI Enthusiast

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github.com/edogola4 | Nairobi, Kenya

Professional Summary

Passionate Full Stack Developer and AI Enthusiast with intensive training from Moringa School's rigorous 6-month bootcamp program. Demonstrated expertise in building intelligent applications that merge web development with artificial intelligence, including an AI chatbot achieving 95% accuracy. Proven track record of delivering measurable results through software development and operations internships, with strong problem-solving capabilities and commitment to building user-centric applications.

Technical Skills

Programming Languages: JavaScript (ES6+), Python, HTML5, CSS3, SQL, TypeScript, LaTeX

Frameworks & Libraries: React.js (18), Angular, Node.js, Express.js, Redux Toolkit, Framer Motion, TensorFlow, Flask

Databases & Tools: MongoDB, PostgreSQL, MySQL, Git/GitHub, Docker, VS Code, Postman, Overleaf

AI/ML Technologies: Natural Language Processing, Machine Learning Models, TensorFlow, Intent Recognition

Development Practices: RESTful APIs, Microservices, CI/CD, Test-Driven Development, Agile Methodology

Additional Technologies: JWT Authentication, Socket.io, GitHub Actions, AWS, Railway, Technical Documentation

Professional Experience

Software Developer Intern

Jun 2023 – Sep 2023

REAL BIZ Digital

Nairobi, Kenya

- Developed and maintained responsive web applications using React.js and Node.js, contributing to 3 client projects that improved user engagement by 25%
- Collaborated with senior developers to implement RESTful APIs and integrate third-party services, reducing data processing time by 30%
- Built AI-powered features and intelligent chatbot solutions, gaining hands-on experience with machine learning integration in web applications
- Participated in code reviews and agile development processes, gaining experience with Git workflows and team collaboration tools

Operations Intern

Jan 2025 – Apr 2025

Alliance Bioversity CIAT

Nairobi, Kenya

- Analyzed operational processes and created data-driven reports using Python and Excel, identifying efficiency improvements that reduced processing time by 20%
- Collaborated with cross-functional teams to gather requirements and translated business needs into technical specifications
- Developed automated workflows and documentation systems that streamlined operations for a team of 12 members

Education & Training

Software Development Bootcamp

Moringa School

Jun 2022 – Dec 2022

Nairobi, Kenya

- Completed intensive 24-week program covering full-stack web development, AI integration, and modern development practices
- Built 8+ full-stack applications using JavaScript, Python, React, and advanced technologies like machine learning models
- Specialized in AI-powered web applications and intelligent system design
- Graduated with distinction in the top 15% of cohort

Bachelor of Arts

University of Nairobi

2021 – 2025

Nairobi, Kenya

- Developed critical thinking, research methodology, and communication skills essential for technical problem-solving
- Strong foundation in analytical reasoning and project management through interdisciplinary coursework
- Liberal arts background provides unique perspective for user-centered design and cross-functional collaboration

Key Projects

AI-Powered E-Commerce Chatbot | *Python, TensorFlow, Flask, React.js, NLP* | [GitHub](#)

- Developed intelligent chatbot achieving 95% accuracy for e-commerce platforms, reducing customer support response time by 40%
- Implemented natural language processing with machine learning models for intent recognition and sentiment analysis
- Integrated with RESTful APIs and deployed using containerized microservices architecture

TinyTots - Full-Stack E-Commerce Platform | *React 18, Node.js, MongoDB, Redux Toolkit* | [GitHub](#)

- Built modern e-commerce platform specializing in eco-friendly children's clothing with immersive animations using Framer Motion
- Implemented complete CRUD operations, JWT authentication, shopping cart functionality, and responsive design for mobile-first experience
- Architected scalable backend with Express.js and MongoDB, featuring RESTful API design and state management with Redux Toolkit

Real-Time Collaborative Code Editor | *Socket.io, Monaco Editor, Node.js, React, Redis* | [GitHub](#)

- Built real-time collaborative coding platform supporting multiple programming languages with live code sharing and syntax highlighting
- Implemented WebSocket connections using Socket.io for instant synchronization, user presence indicators, and conflict resolution
- Architected scalable backend with Redis for session management and real-time state synchronization across multiple concurrent users

Additional Information

Languages: English (Native), Swahili (Native)

Technical Documentation: Proficient in LaTeX for professional documentation, technical reports, and academic publications

Open Source: Active contributor to 5+ AI/ML projects on GitHub

Professional Development: Regular participant in Nairobi tech meetups and AI/ML workshops

Goals: Building production-ready applications, mastering cloud-native development, mentoring junior developers

Interests: Artificial Intelligence, Machine Learning, Open Source Contribution, Technical Writing