

Kelvin Muendo

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Github: github.com/kev202209

Portfolio: kelvinmuendo.vercel.app

Professional Summary

Versatile Full-Stack Web Developer with 4+ years of experience bridging the gap between robust software architecture and high-fidelity AI data pipelines. Proficient in a massive modern stack including Next.js, NestJS, Go, and Python. Expert in building responsive and complex web interfaces. Highly skilled in Linux environments, Network Security, and Ethical Hacking, ensuring that deployed applications are as secure as they are scalable.

Technical Expertise

AI/Data Science: Python (Pandas, SQL), Generative AI (RAG, Fine-tuning), Data Feature Engineering, CNNs, Multi-layer Perceptrons, Data Analysis.

Leadership & Strategy: Agile Methodology, Cross-functional Team Management (8+ members), Stakeholder Engagement, Project Roadmapping, Budget/Timeline Oversight.

Software Engineering: Next.js, NestJS, Go, Python (Django/Flask), PostgreSQL, AWS (Lambda, S3), CI/CD Pipelines.

Relevant Experience

IntuityLabs | Nairobi Kenya

Senior Developer

Nov 2025 -Present

- **AI Implementation:** Architected and deployed web interfaces specifically designed for interacting with and validating AI model outputs, ensuring seamless data flow between front-end users and back-end AI services.
- **Product Scoping:** Manage the end-to-end development lifecycle, from UI/UX design for annotation tools to deploying supporting infrastructure, ensuring alignment with AI data science requirements.

Power Learn Project Org | Nairobi, Kenya

AI Integration courses Team Lead

Nov 2024– Nov 2025

- **Scale & Operations:** Managed the operational roadmap for AI course delivery, ensuring technical content was accessible, scalable, and met high pedagogical standards for diverse learner cohorts.
- **Stakeholder & Partner Management:** Acted as the primary liaison between technical curriculum developers and external partners, aligning course objectives with industry needs and employment trends in the AI space.
- **Evidence-Based Learning:** Designed and monitored student success metrics and feedback loops (surveys, assessment data, and completion rates) to iteratively improve course content and delivery efficiency.
- **Strategic Growth:** Contributed to the organization's AI roadmap by identifying emerging GenAI tools and integrating them into the core learning path, fostering a "future-ready" workforce.

IntuityLabs | Nairobi, Kenya

Senior Developer / Web Development Team Lead

Sep 2023 – Nov 2024

- **Strategic Leadership:** Spearheaded a cross-functional team of 8+ developers to deliver high-scale applications for 1M+ monthly active users, consistently beating milestones by 15%.
- **Operational Excellence:** Established rigorous code review and automated CI/CD standards, reducing production bugs by 30% and ensuring high baseline rigor for organizational deliverables.
- **Architecture & Scale:** Migrated legacy monolithic systems to modern GraphQL/Headless CMS layers, increasing developer velocity by 25%—directly supporting more agile testing and iteration cycles.

Copia Global | Nairobi, Kenya

Fullstack Software Engineer

Nov 2021 – Aug 2023

- **Cross-functional Collaboration:** Engineered scalable web applications within a multi-disciplinary team to support e-commerce logistics, focusing on user-centric features and platform stability.
- **Technical Execution:** Owned feature delivery from concept to deployment, ensuring technical requirements met business-level success metrics.

Sama Source | Nairobi, Kenya

Data Annotator (Core Team) – Accuracy Award Q4 2021

Feb 2020 – Sep 2021

- **Quality & Rigor:** Delivered high-volume, 99.5%+ accuracy labels for critical AI datasets (automotive sensors, object tracking).
- **Process Improvement:** Collaborated with QA teams to refine project guidelines and resolve complex edge cases, increasing team efficiency by 15% and reducing model training iteration time.

Education

Udacity

AI Programming with Python

Provided a strong foundation in Python syntax, Pandas, SQL, Convolutional Neural Networks, Attention, and Multi-layer Perceptron. Building finetuned models using the already available models with RAG, and also building custom foundational models. Working with data and feature engineering, and cleaning data.

Cisco Networking Academy

Network Technician

Learnt to work with IPv4 and IPv6 networks, switching and routing, and how to work with Ethernet in switched networks. Troubleshooting methodologies and DNS, and DHCP services operations and diagnosis of basic network issues.

Cisco Networking Academy

Network Analyst

Provided a foundation in mitigating network security threats and systems security threats, and evaluating organizational security posture using vulnerability assessment and risk assessment.

Cisco Networking Academy

Ethical Hacker

Equipped me with knowledge to perform penetration testing and preliminary documents, information gathering and vulnerability scanning activities, Social engineering application and exploiting wired and wireless networks, Exploit Web applications, mobile, IoT devices, and Cloud native applications, and perform post-exploitation activities.

References available upon request