

NATHAN MWANIKI

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PROFESSIONAL SUMMARY

Highly ambitious and innovative Full-Stack Software Developer blending strong technical expertise in modern web development (Next.js, Node.js, PostgreSQL) with a solid academic foundation in Economics. Proven ability to engineer scalable Software as a Service (SaaS) infrastructures, maintain modular codebases, and deliver intuitive web solutions that solve complex, real-world problems. Seeking a high-impact technical role to drive product innovation.

TECHNICAL SKILLS

Next.js, TypeScript, Tailwind CSS (v4), Responsive Web Design, Node.js, Python, PostgreSQL, Database Architecture Design, Full-Stack Development, Cloud Architecture, Role-Based Access Control (RBAC), Workflow/Cashflow Logic Integration, SaaS Multi-Tenant Deployment, Design Thinking, English (Fluent), Chinese (Elementary / HSK 2).

PROFESSIONAL EXPERIENCE

Organizer | Google Developers Group (GDG) on Campus, University of Nairobi

April 2026 – Present

- Organized and led campus technology sessions, sharing software development best practices and empowering the community through peer-to-peer training.

Space Manager | University of Nairobi (Skills Centre) | Nairobi County, Kenya

September 2025 – April 2026

- Managed facility logistics and student welfare, providing crucial front office support and ensuring streamlined operational workflows.

Software Developer | SitePlann

June 2025 – August 2025

- Contributed to the end-to-end development of SitePlann, a SaaS platform designed to optimize workflows and financial operations in the construction industry.
- Engineered the core SaaS infrastructure, enabling scalable multi-tenant deployment tailored to construction firms.
- Designed and implemented the database architecture, ensuring high data consistency, performance, and scalability.
- Integrated a secure payments portal for subscription management, including tiered pricing and automated billing.
- Introduced and implemented Role-Based Access Control (RBAC) to manage permissions across diverse organizational roles.

- Developed workflow and cashflow logic, aligning system operations with real-world construction project lifecycles.

Software Engineer Intern | AU Innovation LTD | Nairobi County, Kenya

March 2024 – May 2024 & February 2025

- Supported cross-departmental initiatives to ensure seamless project execution and technical alignment.
 - Gained hands-on experience by working with Microsoft ERP systems for various agencies, actively assisting users in achieving operational goals.
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KEY PROJECTS

Wananchi Economic Ecosystem

- Developing a comprehensive 3.5-year thesis project, integrating real-world Kenyan economic data (World Bank, CBK) into a unified digital ecosystem.
- Utilizes data engineering, scalable web applications, and gaming simulation to visualize economic trends and enhance financial data accessibility.

Codebase Journal

- Founded and developed a personal brand and online platform focused on "Building in Public."
 - Designed a professional-grade website documenting engineering journeys through narrative journaling and transparent project architecture planning.
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EDUCATION & CERTIFICATIONS

Bachelor of Arts, Economics | University of Nairobi

September 2024 – September 2028

Certificate in Software Engineering | Moringa School

June 2024 – November 2024

- Relevant Coursework: Problem Solving Techniques, Leading Yourself.