

Stephen Nene

Software Developer

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Security-minded Software Engineer with hands-on experience designing and building resilient web applications used in production. Demonstrated ability to embed secure design principles into full-stack development (React, Node.js, Ruby on Rails), reducing risk from common failure and attack vectors while delivering high-impact features. Strong foundation in secure coding, threat awareness, and systems thinking, with a track record of driving quality across the software lifecycle.

Experience

Tyne IT Africa Consulting – Full-Stack Developer

(Oct 2024 – Present, Full-time)

- Deployed applications using GitHub Actions-based CI/CD pipelines, reducing manual deployment effort by 70%
- Collaborated with backend engineers to implement regex-based log monitoring scripts, reducing time to diagnose production issues
- Containerized services with Docker, enabling faster onboarding and consistent environments across development and production

Tenderhub 365 - Frontend Developer

2024 – 2025

- Built responsive React dashboards for admin and customer portals to manage accounts, documents, and end-to-end procurement workflows.
- Digitized the procurement lifecycle by implementing RFQ creation, supplier onboarding, and bid submission UIs that streamlined sourcing.
- Integrated frontend features with backend APIs for purchase orders, supplier records, and invoice tracking to ensure accurate, up-to-date views.

Niloyd Insurance - Frontend Developer

2025 – 2026

- Designed admin dashboards that enabled internal teams to manage policies, claims, and customer records efficiently.
- Helped move insurance processes online by digitizing policy applications, renewals, and claims submissions.
- Improved customer experience through responsive, mobile-friendly interfaces suitable for non-technical users.

QuickMart Supermarket - IT General Assistant

May 2024 – Oct 2024 | Full-time

- Provided IT support for POS terminals, verifying pricing accuracy and resolving scanning/billing errors to reduce customer issues.
- Troubleshoot hardware, network, and software problems, escalating complex cases to vendors and ensuring minimal downtime.
- Assisted in system monitoring and routine maintenance, collaborating with store and tech teams to keep operations running smoothly.

Data Annotation & Code Reviewer - Remotasks (*via Scale AI / CloudFactory*) – Remote

2023 – 2024 | Contract

- Labeled image and video data to support training of computer vision and natural language AI models.
- Promoted to reviewer role, evaluating model-generated and human task outputs to improve data quality for reinforcement learning and AI fine-tuning.
- Helped optimize model behavior by identifying edge cases and selecting contextually accurate outputs across complex annotation tasks.

Freelance Developer - Remote

2023 – Present / Part-time / Contract

- Built and deployed full-stack client websites and set up CI/CD (GitHub Actions) to automate build, test and publish workflows.
- Implemented monitoring & log practices and configured uptime checks to detect issues early.
- Managed hosting/operations: DNS, SSL provisioning, automated backups and cost-effective deployments to Various Cloud platforms.

MarkDairyFresh - Software Developer

2021 – 2023 | Contract

- Developed a SaaS platform to manage milk order records and improve order tracking efficiency.
- Proposed a tech-driven milk collection process to streamline logistics.
- Delivered working prototypes that improved management's visibility into order trends and customer behavior.

Education

Open University of Kenya (OUK) | 2023 – Ongoing

Bachelor of Science in Cybersecurity & Forensics

- Gaining practical and theoretical knowledge in digital security and forensic analysis
- Coursework : Ethical Hacking, Digital Forensics, Network Security, System Vulnerability Management
- Building a strong foundation in both defensive and offensive cybersecurity techniques

ALX April 2023 – Dec 2024

Associates degree in software engineering

- Trained in agile methodologies, collaborative development, and continuous integration
- Developed technical problem-solving and critical thinking skills through high-pressure sprint projects
- Learned to build production-ready applications and debug complex systems in team environments

Moringa School sep 2022- march 2023

Diploma in software engineering

- Developed strong skills in pair programming, version control, and API integration
- Strengthened research and self-learning skills through hands-on coursework and group projects
- Participated in code reviews and agile development cycles

St. Joseph's High School

Kenya Certificate of Secondary Education (KCSE) – A- (2021)

- Demonstrated early leadership as a member of the Presidential Award Club and the Student Council
- Participated in science fairs, computer club, and debate competitions, fostering a strong analytical and technical foundation

Certifications

Quantum Computing

Google IT Support

System Admin

Azure AI Services

Technical Support

Networking

TryHackMe CyberAdvent

Quantum Computing

Skills

- **Languages:** Python, JavaScript, Ruby, Rust, Bash
- **Web Development:** HTML, CSS, React, Node.js, Express, Ruby on Rails
- **DevOps / SysAdmin:** Linux, Networking, Git, Azure, Google Cloud , CLI tools
- **Security:** digital forensics, Monitoring & log parsing, Secure development
- **Tools:** GitHub, Figma, Vercel, Docker, Google Workspace, VSCode, Trello
- **Soft Skills:** Problem-solving, Critical Thinking, Time Management, Team Collaboration