Lenny Kibe Wanjohi *Software Engineer*

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Professional Summary

Results-oriented Software Engineer with a solid foundation in Electronics and Computer Engineering. Specialized in building scalable Frontend applications using Vue.js and TypeScript, with strong proficiency in Cloud Infrastructure (AWS) and DevOps automation. Proven track record of modernizing legacy financial systems, automating deployment pipelines, and mentoring junior talent. Passionate about bridging the gap between hardware constraints and software efficiency.

Employment Record

01/2024 – Present

Frontend Engineer
Presta Africa

- **Cloud Infrastructure & Deployment (AWS)**: Took ownership of the frontend production strategy, architecting secure hosting solutions using AWS S3 for static assets, CloudFront for global content delivery, and Route 53 for domain management.
- **CI/CD Pipeline Automation:** Engineered GitHub Actions workflows to enable automatic "push-to-deploy" sequences, ensuring code is built, tested, and deployed to AWS without manual intervention.
- Docker & Nginx Configuration: Containerized the development environment using Docker. Configured Nginx as a reverse proxy to route local frontend requests to live backend APIs, allowing the team to test features against real-time data while resolving CORS issues.
- **Technical Leadership & Mentorship**: Onboarded and mentored two engineering interns, conducting code reviews and technical sessions that directly contributed to their successful transition into full-time Junior Engineer roles.
- **Feature Development**: Led the frontend development of the core Fintech portal using Vue 3, Pinia, and Vuetify, translating complex financial data into interactive dashboards.

01/2023 – 06/2023

Frontend Engineering Intern
Presta Africa

- **UI/UX Implementation**: Collaborated with the design team to translate high-fidelity Adobe XD and Figma wireframes into pixel-perfect Tailwind CSS and Vue.js components.
- **Legacy System Optimization**: Refactored code within the legacy Loan Management System, utilizing jQuery for dynamic data rendering and fixing critical UI bugs to improve field agent efficiency while adding new features on the system.
- **Analytics Integration**: Configured Google Tag Manager to track user interactions and traffic, providing data-driven insights to product managers.

01/2022 – 04/2022

IT Intern
Adrian Kenya

- IT Administration: Conducted system patching and software updates for field laptops using remote access tools.
- System Support: Assisted in the installation and configuration of application software, ensuring minimal downtime for field operations.

Education

2019 – 2025	**B.Sc. Electronics and Computer Engineering**	
	Jomo Kenyatta University of Agriculture and Technology (JKUAT)	
2015 – 2018	**Kenya Certificate of Secondary Education**	
	Alliance High School	

Technical Skills

Languages
Python, JavaScript, TypeScript, C++.

Frontend Frameworks
Vue.js (Vue 3, Pinia, Vue Router), ReactJS, jQuery, Tailwind CSS, Vuetify.

Backend & Databases
Django (Python), Node.js, MySQL, PostgreSQL (Supabase), MongoDB.

Cloud & DevOps
AWS (S3, CloudFront, Route53), Docker, Nginx, GitHub Actions, CI/CD pipelines.

Tools
Git, Postman, Google Tag Manager, Adobe XD, Figma.

Projects

EduPay (SpaceYaTech Community Project)
A centralized payment aggregator platform allowing parents to pay school fees to multiple institutions via a single dashboard.
- **Backend Architecture**: Developed robust APIs for user management and school onboarding using Python (Django) and Supabase (PostgreSQL).
- **Payment Integration**: Integrated Safaricom's Daraja API (STK Push & C2B) to facilitate secure, real-time M-Pesa transactions.
- **Open Source Collaboration:** Collaborated with a distributed team of developers via GitHub Projects, participating in code reviews and agile planning sessions.

IoT Assistive Mobility System (Capstone Project)
An engineering project focusing on assistive technology for physically impaired users.
- **Embedded Systems Engineering**: Engineered a dual-input control system allowing wheelchair navigation via head gestures (Gyroscope sensors) or voice commands.
- **Hardware Programming**: Utilized C++ to program microcontrollers and implemented wireless communication protocols to ensure near-zero latency in motor response.

References

Dickson Kung'u, *Senior Software Engineer,* 11 Degrees Consulting
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Alex Muriithi, *Head of Engineering,* Presta Technologies
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