

Summary

IT graduate with experience in software development, networking, and system administration. I build backend systems and APIs with Kotlin (Ktor, Spring Boot), develop frontends with React (JavaScript/TypeScript), and work with automation and scripting. My IT background gives me a solid foundation in networking, infrastructure, and troubleshooting. Currently learning DevOps tools like Docker, CI/CD, and cloud(Azure, GCP). I'm flexible and eager to contribute wherever I can add value whether that's development, infrastructure, or technical support.

Experience

Nairobi City Water & Sewerage Company

May 2024 to August 2024

IT Support Technician

Nairobi, KE

https://nairobiwater.co.ke

End-User Technical Support: Providing comprehensive technical support for end-user systems, peripherals (like printers), and network devices across the organization.

Network Configuration and Uptime Management: Configuring and maintaining core network infrastructure (routers, switches, LAN/WAN) to ensure consistent network availability and uptime.

System Administration Assistance: Assisting with fundamental server and system administration duties, including monitoring system performance, managing backups, and performing basic server maintenance.

IT Asset Management and Maintenance: Performing preventive maintenance, applying security updates, and troubleshooting all general IT assets and devices to ensure operational security.

Documentation and Knowledge Transfer: Creating and maintaining documentation for incidents, resolutions, and key IT processes, and training staff on the correct use of IT resources.

WECONNECT WIFI

Sept 2025 – Present

Network Technician

Meru, Kenya

Fiber Optic Installation and Splicing: Installing and splicing fiber optic cables for high-speed connectivity.

Network Device Configuration: Configuring routers, switches, and network equipment for client use.

Advanced Troubleshooting and Diagnostics: Troubleshooting connectivity issues using fault isolation and network monitoring techniques.

Network Design and Standards Application: Applying networking fundamentals, including topology design and cabling standards.

Signal Integrity Management: Ensuring and maintaining signal integrity across the network infrastructure.

Education & Certification

Meru University of Science & Technology

September 2021 to Present

Meru, KE

Bachelor's in Information Technology

https://must.ac.ke

Web & Mobile Application Development, Database Systems, Computer Networks, Software Engineering, Cloud Computing, Cybersecurity

Power Learn Project Academy

May 2024 to December 2024

Software Development

Nano Degree(Bootcamp)

https://powerlearnprojectafrica.org

Full-stack development, API integration, database design, responsive UI/UX

Teach2Give

May 2025 – August 2025

IT Customer Service

Nanodegree(Bootcamp)

https://teach2give.com

Completed professional training in customer communication, problem-solving, and team collaboration

Applied soft skills training to improve client interactions and service delivery

Projects

Drug Research platform

February 2025

Next.js, React, AI/ML

https://github.com/devcavin/protein-binding

Built a real-time research platform for molecular data analysis and visualization

Developed frontend with Next.js (React) featuring molecular visualization and SMILES notation support

Created Ktor backend with RESTful APIs and WebSocket communication for team collaboration

Integrated NVIDIA MolMIn AI for protein modeling and interaction prediction

Customer Service Dashboard

June 2025

API Workshop Project (Postman, REST, Ktor, FastAPI, JavaScript, HTML/CSS, Supabase[PostgreSQL])

https://github.com/devcavin/customer-service-learning

Built an internal ticketing system for managing ICT service requests and support tickets

Developed REST API backend with full CRUD operations for ticket management

Created responsive frontend interface for helpdesk workflows and communication logs

Health Information Management System

March 2025

Kotlin Ktor, HTML/CSS, JavaScript, REST, SQLite

https://github.com/Killercavin/HealthInfoSystem

Built a web application for managing patient health records with CRUD operations and user authentication

Developed RESTful API backend in Kotlin/Ktor for structured health data management

Created responsive frontend for data entry, updates, and record retrieval

Implemented security measures for patient data protection and healthcare compliance

Ecommerce Backend

July 2025

Kotlin Ktor, REST, JSON, PostgreSQL

https://github.com/devcavin/brightside

Built backend API for e-commerce operations including product catalog, shopping cart, and order management

Developed RESTful endpoints for user authentication, product CRUD, and payment processing

Implemented inventory tracking and order status workflows and containerization with Docker

Fortspring

November 2025 – Present

Kotlin, SpringBoot, JWT, OAuth, SpringSecurity

https://github.com/devcavin/fortspring-security

Built a modular backend authentication system using Kotlin and Spring Boot, implementing JWT-based stateless authentication, Redis session management, and OAuth2 integration for scalable identity management.

Skills

Programming Languages

Kotlin, JavaScript, TypeScript, Python, Java

Frameworks & Libraries

React, Django, Spring, Ktor, Next.js, Express, Spring Boot

Infrastructure & Tools

Docker, Git, Linux, Windows Server, Networking, CI/CD, Postman, Azure (learning)

Tools

Docker, Git, Postman

Volunteering & Awards

Postman Inc

March 2024 to Present

Postman Student Leader

Kenya

https://postman.com/student-program/

Promote API literacy among peers through hands-on workshops, technical talks, and collaborative projects.

Mentor student developers on API design, testing, and documentation using Postman.

Organize and lead community events in partnership with developer networks such as Google Developer Groups and Microsoft Learn Student Ambassadors and other student/developer communities.

Foster a collaborative developer community focused on API best practices and real-world integration skills.