

CAVIN LARRY

IT Graduate | Software Development, Networking & Infrastructure

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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://nairobewater.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.