

Collins Ochieng

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Backend Software Developer | Technical Mentor

Backend Software Developer with experience designing, developing, and maintaining web applications, REST APIs, and database-driven systems using Python, Django, JavaScript/Node.js, and SQL. Skilled in backend development, API integration, database management, debugging, and software project review. Brings additional experience in technical mentoring, community leadership, and learner support. Currently pursuing studies in Computer Science and Medical Laboratory Science, with a strong interest in applying technology to health tech, research, and other impact-driven solutions.

WORK EXPERIENCE

ITExperience, INC

Community Ambassador | Startup Outreach & Partnerships Team Lead

Jan 2026 - Present

- Led startup partnership outreach, engaging approximately 30 startup founders and securing 6 potential partnerships.
- Developed and monitored participant progress-tracking systems, including Google Forms and Slack follow-ups, to identify project blockers and support teams toward successful completion.
- Supported 4,000+ IBM SkillsBuild learners and resolved sign-up and platform-navigation challenges.

Nairobi, Kenya

eMobilis Technology Training Institute

Web Development Tutor / Mentor

Sep 2024 - Jan 2025

- Mentored 65+ learners in web development and backend concepts through hands-on projects and guided coding practice.
- Led learners in building real-world Django applications, including an e-commerce project with M-PESA integration.
- Reviewed code, supported debugging, and taught Python, Django, HTML, MySQL, and database fundamentals.

Nairobi, Kenya

Darasani Hub

Backend Software Developer

Jun 2024 - Sep 2024

- Improved functionality in the core e-sourcing auctioning module of the Darasani Hub SaaS platform.
- Profiled and optimized high-use APIs, reducing latency from 2-3 seconds to under 500 ms for selected use cases.
- Implemented database-backed backend features and APIs and collaborated on debugging and data workflows.

Nairobi, Kenya

Equity Bank

Customer Care Support Intern

May 2022 - Sep 2022

- Achieved a 95% customer satisfaction rating by resolving technical and support issues efficiently with clear communication.
- Analyzed support metrics and implemented process improvements that increased ticket resolution speed by 25%.

EDUCATION

University of the People

Bachelor of Science in Computer Science

May 2024 - Dec 2026

University of Nairobi

Bachelor of Science in Medical Laboratory Science and Technology

Sep 2022 - Dec 2026

ALX Africa

Software Engineering

May 2023 - Aug 2024

SKILLS

- | | | |
|----------------------------|-----------------------|-----------------------------------|
| • Python | • Django / DRF | • JavaScript / Node.js |
| • SQL / PostgreSQL / MySQL | • FastAPI / Flask | • MongoDB / Redis |
| • React | • REST APIs / JWT | • Docker / Nginx / Linux |
| • Git / GitHub / Postman | • Technical Mentoring | • Problem Solving / Communication |

PROJECTS

Learning Management System - Higher Education Platform

Built a role-based learning platform with REST APIs and access workflows for students, tutors, parents, and administrators; designed relational data models for platform operations.

Technologies: Python, Django, Django REST Framework, PostgreSQL, REST APIs

E-commerce Platform - M-PESA / Local Payment Integration

Built backend services for product and order workflows and integrated a local payment gateway, with API-driven communication between client and server.

Technologies: Python, Django REST Framework, PostgreSQL, REST APIs, Payment Integration

CERTIFICATIONS

Software Development

Power Learn Africa Feb 2024 - Jun 2024

Web Development

eMobilis Institute of Technology Sep 2023 - Dec 2023

Bioinformatics and Precision Medicine

Stanford University Apr 2025 - Jul 2025

AWARDS & RECOGNITIONS

Presidential List Recognition

University of the People Feb 2025

OTHER EXPERIENCE

ALX Africa Nairobi, Kenya
Software Engineering Project Reviewer & Mentor May 2024 - Aug 2024

- Reviewed 50+ student software projects, providing feedback on code quality, functionality, debugging, and adherence to best practices.

Aspire Institute New York, USA
Quality Content Delivery Tester Oct 2023 - Nov 2023

- Evaluated e-learning content quality and consistency and provided recommendations that improved course effectiveness and learner engagement.

INTERESTS

- Research
- Healthtech