

Fayemi Muhammed

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EDUCATION

- **Osun State University (UNIOSUN), Osogbo** **Osogbo, Osun State**
B.Eng in Mechanical Engineering *October. 2017 – November. 2022*
- **ALX Africa** **Africa**
Software Engineering *July. 2023 – August. 2024*

EXPERIENCE

- **Mactavis Digital** **Lagos, Nigeria**
Junior Software Engineer *January 2025 – June 2025*
 - **Pizza Ordering Platform:** Developed and maintained a full-stack pizza ordering system for a restaurant client. Built user interfaces, managed backend order workflows, integrated payment APIs, and improved UX through iterative design aligned with Mactavis' focus on seamless, user-centered digital experiences.
 - **Agile Engineering Practices:** Collaborated in an agile team using Git, performed code reviews, tested RESTful APIs, and worked closely with designers and project managers.
 - **Internal Admin Panel:** Built and extended API endpoints for a web-based internal dashboard used by employees for role-specific administrative tasks.
 - **About the Company:** Mactavis helps businesses build digital products — including websites, mobile apps, and custom software — by combining design, technology, and strategy.
 - **Tech Stack:** Python, Django, Flask, React, TypeScript
- **ALX Africa** **Remote / Africa-wide**
Intern Software Engineer *September 2024 – December 2024*
 - **Student Training Portal:** Contributed features to an educational web platform, including lesson modules, progress tracking, and dashboards. Focused on usability, performance optimization, and clean code practices.
 - **Cross-Functional Collaboration:** Worked alongside mentors, developers, and peers to iteratively improve the product in line with ALX's agile learning framework.
 - **About the Program:** ALX Africa provides affordable, world-class tech education to African youth and aims to build a pipeline of employable professionals and ethical leaders.
 - **Tech Stack:** Python, Flask, React, TypeScript, MySQL, Redis
- **Africa Agility** **Lagos, Nigeria**
Software Engineer & Mentor *July 2024 – February 2025*
 - **Girls-in-Tech Bootcamp:** Designed and taught modules in web development and agile workflows. Facilitated workshops where students built real-world web applications.
 - **Mentorship & Coaching:** Guided mentees through software development lifecycles, including planning, coding, testing, and deployment. Reviewed code and provided individual feedback.
 - **Impact:** Helped over 20 young women acquire practical engineering skills and build confidence to work in tech roles or start entrepreneurial ventures.
 - **About the Organization:** Africa Agility is a nonprofit dedicated to empowering young African women through hands-on tech education and agile skill development.
 - **Tech Stack:** React, Node.js, TypeScript, MySQL, Redis

PROJECTS

- **TechMeet.io – Tech Event Management Platform (Jan 2025 – Present):** Designed and developed a full-stack event management platform using Django and React. Built authentication with JWT, Google/GitHub OAuth, event creation system, dynamic ticket generation with QR codes, and Paystack-based payment flow. Led both backend (Django/MySQL) and frontend (React/Tailwind) tasks. Integrated SendGrid for email confirmations, and implemented role-based access control for admins, organizers, and attendees.
- **PayForMe – Online Crowdfunding App (Nov 2024 –Present):** Engineered a Crowd Funding-style donation platform enabling users to create campaigns, process secure donations, and manage backers. Implemented campaign creation, dashboard analytics, and REST APIs using Flask and MySQL. Integrated social sharing, backer messaging, and secure payment gateways (Stripe). Structured the backend for scalability and security.

ACHIEVEMENTS AND RESPONSIBILITIES

- **Committee Member – Google Developer Group (GDG) Osogbo:** Active member of the organizing committee responsible for community engagement, event planning, and technical session facilitation. Contributed to the success of DevFest Osogbo by coordinating logistics and promoting developer-centric learning.
- **1st Place – Hackathon Winner, Osun Tech Fest 2024:** Led a team to victory in the Osun Tech Fest 2024 Hackathon by developing an innovative tech solution under time constraints. Demonstrated strengths in collaboration, problem-solving, and rapid prototyping.
- **2nd Place – Reboot Tech Conference (RTC) Hackathon 2024:** Secured second place at the RTC 2024 Hackathon by delivering a functional MVP addressing a real-world challenge. Showcased backend and frontend engineering skills in a high-pressure environment.

SKILLS

- **Proficient:** Python, Django, Flask, JavaScript, React.js, TypeScript, MySQL, RESTful API Design, Git, Agile Development
- **Comfortable:** Node.js, Tailwind CSS, Redis, Paystack API, SendGrid, JWT Authentication, Google OAuth, GitHub OAuth
- **Familiar:** PostgreSQL, Docker, CI/CD Concepts, MVC Architecture, ORM (SQLAlchemy, Django ORM)