

Fayemi Muhammed

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TECHNICAL SKILLS

- **Backend:** Python, Django, Flask, Go, Node.js, RESTful APIs, GraphQL, SQLAlchemy, OAuth 2.0, JWT Authentication
- **Frontend:** JavaScript, TypeScript, React.js, Next.js, Tailwind CSS, Bootstrap, Responsive Design, Component Libraries.
- **Databases:** MySQL, PostgreSQL, Redis, Database Optimization, Query Performance Tuning
- **DevOps & Tools:** Docker, CI/CD Pipelines, Git, Agile/Scrum, AWS, Deployment Automation, Code Review Leadership

EXPERIENCE

- **Optisoft Technology Company Ltd** Lagos, Nigeria
Software Engineer *January 2025 – June 2025*
 - Built on the existing loan servicing infrastructure of Rosabon Financial Services (RFS), a CBN-licensed non-bank financial intermediary, enhancing modules for loan origination, repayment tracking, and credit evaluation workflows.
 - Integrated automated credit risk checks, document verification, and compliance flows in line with CBN regulations.
 - Spearheaded an admin dashboard enabling 30+ staff to manage customer onboarding, loan approvals, repayments, and access control roles.
 - Improved backend API response time by 45% through database schema restructuring, indexed queries, and optimized Django REST serializers.
 - Led API testing and OpenAPI documentation to support collaborative development in a fast-paced agile team.
 - Tech Stack: Python, Django, Flask, React, TypeScript, Docker
- **Lasaco Assurance Plc** Lagos, Nigeria
Contract Software Engineer *June 2024 – December 2024*
 - Modernized Claims Management: Migrated legacy claims workflows to a digital portal serving 500+ customers monthly, reducing claim processing time by 60% using Django REST Framework and React.
 - Deployed Automated Tax Engine: Established tax calculation system supporting 10+ regional tax policies, eliminating manual calculation errors and reducing policy issuance time by 65% for 1,000+ monthly policies.
 - Digitized Document Generation: Automated creation of 1,000+ policy documents monthly with templates and digital signatures, improving accuracy by 40% and reducing processing time by 70%.
 - Strengthened System Security: Integrated JWT-based authentication with granular role-based access control for underwriters, claim agents, and clients, reducing security incidents by 90%.
 - Tech Stack: Python, Django, DRF, React, Bootstrap, PostgreSQL
- **ALX Africa** Remote
Software Engineering Intern *September 2024 – December 2024*
 - Optimized Student Portal Performance: Refactored lesson tracking and dashboard components, reducing page load times by 40% and improving user experience for 1,000+ active students.
 - Collaborated in Cross-Functional Teams: Partnered with 10+ mentors and interns in agile development cycles, delivering 5+ major features and resolving 50+ technical debt issues.
 - Tech Stack: Python, Flask, React, Next.js, TypeScript, MySQL, Redis
- **Africa Agility** Lagos, Nigeria
Software Engineer & Mentor *July 2023 – February 2024*
 - Facilitated Technical Bootcamps: Spearheaded training sessions for 50+ aspiring female developers, achieving 80% completion rate and 60% job intern placement success through comprehensive full-stack curriculum.
 - Provided Technical Mentorship: Guided 15+ developer teams through project delivery, reviewed 100+ code commits, and coached deployment strategies resulting in 95% successful project launches.
 - Established Development Standards: Created coding guidelines and best practices documentation, reducing onboarding time for new developers by 50%.
 - Tech Stack: React, Node.js, TypeScript, MySQL, Redis, Git

EDUCATION

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

PROJECTS

- TechMeet.io – Tech Event Management Platform — Demo — GitHub: Architected full-stack event management platform with QR-code ticketing system, OAuth integration, and role-based access control, successfully managing 10+ events with 30+ attendees.
- Nexora – Unified Component Explorer — Demo — GitHub: Developed component discovery platform aggregating 500+ UI components from Shadcn/UI, Magic UI, and Aceternity UI, reducing developer search time by 60% with AI-powered recommendations via Gemini API integration.
- PayForMe – Crowdfunding Platform — Demo — GitHub: Created secure donation platform with Flask and Stripe integration, facilitating \$10+ in donations across 2+ campaigns with 99.9% payment success rate and real-time progress tracking.
- Simple Shell – Custom Unix Shell — GitHub: Collaborated on C-based command interpreter supporting advanced features like piping, redirection, and built-in commands, demonstrating systems programming expertise and effective team collaboration.
- CryptoApp – Cryptocurrency Dashboard — Demo — GitHub: Developed React + Redux dashboard with real-time cryptocurrency data and news integration from Coinranking/Bing APIs, featuring interactive charts and advanced filtering capabilities.
- ImageKit – Image Optimization Tool — Demo — GitHub: Designed React-based image processing application with compression and cropping features, achieving 40% average file size reduction while maintaining quality standards.

LEADERSHIP & ACHIEVEMENTS

- Committee Member – Google Developer Group (GDG) Osogbo: Organized 5+ technical events and coordinated DevFest 2024 logistics, engaging 200+ developers and fostering community growth in local tech ecosystem.
- 2nd Place – Osun Tech Fest Hackathon 2024: Led 4-member development team in delivering health-tech MVP within 24 hours, demonstrating rapid prototyping and leadership capabilities under pressure.
- 2nd Place – RTC Hackathon 2024: Architected full-stack logistics solution MVP, securing 2nd position among 20+ competing teams through innovative technical execution.
- Technical Mentor: Successfully guided 15+ new developers through career transitions, with 90% achieving successful intern job placements in tech companies within 6 months.