

AYOMIDE OLUWATOLA

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[Portfolio](#) · [GitHub](#) · [LinkedIn](#)

SUMMARY

Software Innovator & Systems Engineer passionate about solving complex technical challenges across the stack. Experienced in building next-gen solutions, from AI-driven B2B automation tools to custom languages and DeFi protocols.

EDUCATION

Bachelor of Science in Systems Engineering, University of Lagos Oct 2024 - Present
Relevant Coursework: Systems Programming, Data Structures & Algorithms, Blockchain Engineering.

SKILLS

Languages	JavaScript, TypeScript, Golang, Rust, Solidity, Move, C++, Python
Frameworks/Tools	MERN Stack, Next.js, React, Sui/Move SDK, MQTT, WebSockets, Git
Specializations	Full-Stack Development, Smart Contracts, AI Agents, Systems Design

EXPERIENCE

Software Engineer Oct 2024 - Present
Digivo LTD Remote (Lagos, Nigeria)

- Architected a B2B SaaS platform integrating autonomous AI Voice Agents and email automation workflows, scaling the solution to support 500+ active users
- Engineered scalable backend systems handling 100+ concurrent VoIP sessions with 100ms average latency for real-time data processing
- Converted 25+ Figma prototypes into fully functional interfaces, applying best practices in responsive design with Next.js and React.

CoreTech Engineer Intern Jun 2025 - Jan 2026
Freepass Africa Remote (Lagos, Nigeria)

- Designed core M2M infrastructure using MQTT protocols for low-latency IoT data, reducing cloud costs by 20%.
- Developed robust API endpoints for mobile applications, optimizing payload sizes by 60% for low-bandwidth.

Smart Contract Developer (Contract) Jun 2025 - Mar 2026
Bizflip Remote (US)

- Engineered and deployed a secure, upgradeable (UUPS) marketplace smart contract to mainnet; refactored to custom errors and optimized storage, cutting gas costs by 50%, while shipping escrow, multi-offer, and automated refund logic within a strict 2-month deadline
- Authored fuzz and upgrade-path tests with Foundry to validate contract behavior across 256+ randomized inputs, safeguarding against regressions during upgrades

PROJECTS

- AYScript (Custom Language)**: Built a statically-typed language and compiler pipeline from scratch using TypeScript and Golang. Supports variable bindings, complex arithmetic, and JS interoperability.
- Sui-Runner (Blockchain Tool)**: Developed a high-performance Rust CLI utility using Tokio to optimize Move development. Features a hot-reloading engine and transaction dry-run visualizer.
- AYSHELL (CLI Environment)**: Emulated OS-level shell behaviors using Golang, implementing custom process handling and efficient I/O stream management for Unix terminal simulation.

AWARDS & CERTIFICATIONS

- Honors**: ASES Technical Spotlight Honoree (AYScript), ULESite of the Week (Engineering Faculty).
- Certifications**: Harvard CS50X, Cyfrin Updraft (Rust & Blockchain), IBM Skillsbuild (Cybersecurity & AI).