

# Ayoola Adewale - Software Engineer

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## SKILLS

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**Language:** HTML, CSS, Javascript, Typescript, Python, Golang

**Technologies & Tools:** React.js, Zustand, Tailwind CSS, Framer motion, NextJS, React Native, Expo, Node.js, Express.js, Nest.js, MongoDB, Firebase, PostgreSQL, Redis, Github Actions, Docker, AWS S3, RESTful API, Jest, React Testing Library, Postman, Swagger, Numpy, Pandas.

**Soft Skills:** Leadership, Team Management, Communication.

## WORK EXPERIENCE

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### [PeachyGE AI](#)

Dec 2025 - Present

#### Senior Product Engineer

Building a platform that allows users to create and interact with AI-generated characters

- Architected and built an AI persona platform on a NestJS backend, integrating LLM interactions via OpenRouter, image and video generation through RunPod, enabling dynamic conversational experiences with AI-generated characters.
- Designed a real-time chat infrastructure using Socket.io with Redis-backed session management, connection controls, and IP-based rate limiting to prevent abuse and maintain service stability.
- Engineered a secure, scalable token-based pricing and ledger system with reservation mechanics and transactional safeguards to prevent double-spending during asynchronous credit operations.
- Engineered a scalable multi-provider payment platform with support for subscription-based payments, reconciliation pipelines, and invoicing systems, leveraging feature flags for controlled rollout; implemented secure webhook verification, idempotent transaction processing, and optimistic concurrency controls, standardizing external provider states into resilient internal workflows and automated wallet crediting.
- Built resilient AI character generation pipelines orchestrating prompt preparation, RunPod image and video inference, Cloudinary asset storage, and transactional database operations with automated cleanup mechanisms.
- Developed automated chat safety and moderation systems with spam detection, user blocking, and granular rate limiting to ensure safe and scalable AI interactions.

### [EVEA](#)

Mar 2024 - Mar 2026

#### Frontend Engineer

Building a B2B financial operating system for the next generation of founders and growing businesses.

- Built the user interfaces during the first phase for key features, including budget management, dashboard overview, profiles (admin and team), accounts (credit, cash, account payable), and card functionalities; enhanced the authentication and KYC flow. Together, these contributions comprise approximately 75-80% of the entire V2 application.
- Built the cash account system: implemented the creation of cash accounts and sub-accounts, integrated bank transfers, enabled money deposits into Evea's accounts, developed the "Move Money" feature for transfers between Evea accounts, added payment approval and denial functionality, and integrated the ability to retrieve bank statements.
- Designed and developed a comprehensive budgeting system that empowered users with full financial control. Key capabilities included creating and editing budgets, assigning and reallocating funds, duplicating budgets, managing team roles (promotions/demotions), retiring and reinstating budgets, and handling fund requests with approval and denial workflows. Implemented budget permissions, spend controls and fund management features (requesting and returning funds), ensuring flexibility and accountability in financial operations.
- Built a multi-stage KYC-KYB compliance and resolution platform that reduced manual review by 75% and increased onboarding completion by 85% through real-time verification, document management, and issue-driven workflows.
- Implemented comprehensive end-to-end Sentry integration across production and development environments—automating source map uploads, log collection, runtime error tracking, performance monitoring, session replay, and custom error reporting flows—significantly enhancing observability, accelerating debugging, and enabling faster, data-driven issue resolution.

- Led frontend QA and issue resolution for the V2 product, coordinating with 18+ testers to validate features, reproduce edge cases, and debug complex issues; leveraged Sentry for real-time issue monitoring and alerting, performing on-call rotations to ensure platform stability, rapid incident response, and high release quality.
- Led the drive for consistency in component designs throughout the application (v2), enhancing user experience and brand perception, and built 80% of the design system along with the majority of component designs.
- Implemented standardized design patterns and guidelines across all modules, resulting in a cohesive and intuitive user interface

## WELLAT

Oct 2023 - Feb 2026

### **Founding Engineer (Frontend Team Lead)**

Building a copy trading platform

- Led end-to-end development of the waitlist app, landing page, admin dashboard, and core MVP
- Built critical functionality across the platform, including authentication, KYC, profile management, deposits, swaps, internal and external transfers, withdrawals, strategy creation, portfolio, and history.
- Built advanced trading features such as HODL and SPOT terminals integrated with TradingView charts, and implemented HODL swap and complex SPOT trading order types (limit, OCO, market, stop-limit, stop-market) to enable a full trading experience.
- Converted over 250+ UI/UX designs into functional web applications with about 60+ API connections, showcasing my ability to connect complex systems and create seamless user experiences.
- Incorporated SEO best practices to enhance visibility and accessibility features, including keyboard navigation, ensuring an inclusive user experience for all.
- Implemented folder-by-feature architecture, reducing codebase complexity by 40% and paving the way for 50% faster feature development.
- Wrote 100+ robust tests using TDD principles, resulting in 30% fewer bugs and 25% faster development time.
- Implemented pre-commit hook and CI/CD pipeline utilizing GitHub Actions and Docker specifically for the frontend application. This automated the lint, testing, build, and deployment processes, leading to increased development efficiency and smooth software delivery.

## Nigerian Army (Finance Corps)

Jun 2025 - Dec 2025

### **Full-Stack Technical Trainer & Project Lead**

The Nigerian Army is the land force of our Armed Forces.

- Designed and delivered an intensive full-stack development program (HTML, CSS, JavaScript, React, Python, Flask, MongoDB) to 18 senior finance officers (Lieutenant–Major level).
- Mentored officers through hands-on software engineering, guiding them from foundational concepts to production-ready deployment.
- Built sustainable in-house technical capacity by transforming senior finance officers into competent full-stack developers.
- Supervised the architecture and development of an enterprise-grade payment processing system to-be adopted by the Nigerian Army Finance Corps, enabling centralized processing of payments across the army.

## Intercede

Aug 2025 - Nov 2025

### **Full Stack React Native Engineer**

Building a journal application that makes it easier to keep track of your prayer requests, God's leading, and reflections.

- Designed and implemented a real-time community feature with end-to-end functionality (create, update, manage, report, promote/demote, exit, etc), enhancing user engagement and retention.
- Built secure WebSocket-based messaging with role-based access control (admins vs. members) using custom WebSocket guards and role guards.

## **EDUCATION**

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**Oduduwa University, Ipetumodu - Osun State**  
B.Sc COMPUTER SCIENCE

Mar 2019 - Oct 2023