

DAVID UWAGBALE

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PROFESSIONAL SUMMARY

Fullstack Engineer & AI Integrations Specialist focused on scalable AI and Fintech applications. Expert in building high-performance systems using **Python (Django, Flask)**, **Node.js**, and modular **React/Next.js** frontends. Proven leader of technical squads, bridging the gap between complex AI models and production-ready web architecture.

TECHNICAL SKILLS

- Languages: Javascript, Python, Typescript, C, SQL (Structured Query Language).
- Frameworks: React, Django, Flask, Nextjs, Express.
- Tools: Git, Docker, Figma, MySQL, SQLite
- Platforms: PyCharm, Jupyter Notebook, Visual Studio Code, Github

WORK EXPERIENCE

FULLSTACK ENGINEER | Deep Funding (SingularityNET) — 09/2025 – Present

- **AI-to-Web Integration:** Architected production-ready MVPs in high-velocity pods, bridging complex **AI models** with **React** applications and reducing latency through robust asynchronous API layers.
- **Global Collaboration:** Contributed to a distributed, community-led team to build accessible AI tools, ensuring high code standards and seamless integration within the SingularityNET ecosystem.

FRONTEND ENGINEER | Dlab Technologies — 06/2025 – Present

- **Product Development:** Led frontend engineering for flagship products **Liquidramp** and **Dexfiat** using **React/Next.js** to deliver high-performance, responsive interfaces.
- **Data & Observability:** Built a modular data layer using **TanStack Query**, **Zustand**, and **Redux**; integrated Sentry/Mixpanel to reduce bugs by 20% and optimize user retention.

FRONTEND ENGINEER INTERN | HNG Tech — 10/2025 – 12/2025

- **Fullstack & BFF Architecture:** Engineered **BFF (Backend-for-Frontend)** systems and utilized Convex for real-time data; collaborated with DevOps and QAs to ship scalable software under 24-hour sprint deadlines.
- **Rapid Tech Adaptation:** Pivoted across tech stacks including **React Native/Expo** and **PHP Twig**, ensuring 100% adherence to responsive design and accessibility standards.

BACKEND ENGINEER INTERN | Darq Envoy — 06/2025 – 09/2025

- **API & Security:** Built **Node.js/Express** services for a health app, implementing Auth, Rate Limiting, and custom Middleware to protect sensitive user data.
- **Data Integrity:** Managed **NoSQL** persistence and wrote comprehensive unit tests and error-handling patterns to ensure system stability during the development phase.

FRONTEND TEAM LEAD (Promoted from Frontend Developer) | NexusmindAI — 10/2024 – 01/2025

- **Leadership & Mentorship:** Led a frontend squad to establish **Git** workflows and collaborative best practices, accelerating release cycles and mentoring junior developers on debugging.
- **Architectural Standards:** Implemented component-based architecture for high-fidelity **Figma-to-Code** translation; served as technical liaison to the PM for task delegation and PR reviews.

PROJECTS

End-to-End Encrypted Messaging (Message50) | [\[Live Demo\]](#)

- **Security & Real-Time:** Engineered a cross-platform app with **E2EE (AES-256/RSA)** for text and media; implemented **WebSockets (Socket.io)** and Node.js for sub-second real-time message delivery.
- **Architecture:** Designed a secure data pipeline for private media handling, ensuring 100% data integrity and privacy between sender and recipient across a sleek, responsive interface.

Multimodal AI Social Media Bots | [\[GitHub\]](#)

- **AI & Backend:** Developed WhatsApp/Telegram bots using **OpenAI & Gemini APIs** for text, voice-to-text, and image analysis; built a scalable **Python (Flask)** backend with asynchronous processing.
- **Scale & Impact:** Successfully deployed to **50+** active users, demonstrating expertise in handling concurrent requests and delivering high-utility AI tools in a real-world production environment.

EDUCATION

FEDERAL UNIVERSITY OF TECHNOLOGY, AKURE
Computer Science

Ondo State, Akure
01/2024 - 2028