

# Eniola Abayomi

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## EDUCATION

### University of Lagos

Bachelor of Engineering in Electrical and Electronics Engineering (CGPA: **4.77/5.00**)

Lagos, Nigeria

Nov. 2021 – Present

## EXPERIENCE

### MLH Fellow (Software Engineering)

May 2025 – Aug 2025

Amurex

NY, United States (Remote)

- Added **Documentation** on a scalable architecture for local AI workloads, utilizing Ollama to run open-source models, **cutting cloud inference costs** completely.
- Configured complete **self-hosting** capabilities for our web application, by containerization with docker and bash script for automation, eliminating project setup hassle.
- Eliminated need for paid APIs by using **Transformer.js** for local vector text-embedding generation from uploaded docs, cutting setup costs for self-hosting.

### Frontend Engineer

November 2024 – Jul 2025

Olive Grove School

Anambra, Nigeria (Remote)

- Developed a responsive design system that **reduced UI (User Interface) bugs** and visual inconsistencies, streamlining development for the entire team.
- Engineered a **centralized** state management system, streamlining data flow across assessments, courses, and lectures, thus boosting **developer efficiency** by **40%**.
- Collaborated with backend engineers to consume RESTful APIs and implemented Axios interceptors, reducing redundant API calls.
- Improved initial page load times by **45%** by enabling **Server-Side Rendering (SSR)** on high-traffic pages such as course and assessment dashboards.

## PROJECTS

### Whispers | React.js, TailwindCSS, React Query, PostgreSQL

June 2024 – August 2024

- Implemented a **real-time** anonymous messaging app, leveraging **Server Actions** for seamless form submissions and data mutations
- Engineered** dynamic UI updates to instantly display new messages without full-page reloads, using SSR for **SEO-friendly** initial loads.
- Collaborated with a backend engineer to **optimize** API payloads and **reduce latency**, ensuring quick response times for message delivery.

### Pepductivity | Nextjs, TailwindCSS, PostgreSQL, Typescript, Framer Motion

October 2024 – December 2024

- Developed a **Productivity** web application using **Nextjs** to help users manage and organize their daily tasks.
- Implemented 'task grouping', progress tracking, and an enforced task completion validation ensuring **accuracy** of metrics
- Integrated **PostgreSQL** with **DrizzleORM** to manage data relationships between task groups, notes, and user efficiently

## EXTRACURRICULARS & ACHIEVEMENTS

### Frontend Engineer Volunteer, Academic and Research Board, Unilag | Nextjs, TailwindCSS, NodeJs

- Led** the front-end team to build the university's **first-ever** research hub for **academic research** publication and showcase.

## TECHNICAL SKILLS

**Languages:** Typescript, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS

**Frontend Libraries/Frameworks:** React, Next.js, TailwindCSS, Redux, Framer Motion, GSAP

**Backend Frameworks:** Node.js, Flask, FastAPI

**Developer Tools:** Git, Docker, Google Cloud Platform, VS Code, Visual Studio

**Databases:** PostgreSQL, Firebase, Supabase