Eeman Adeniran

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SUMMARY

Software engineer intern at KPMG, building web and mobile applications from the front end to the back end. Previously the founding engineer at a property startup and co-founder of an Arabic vocabulary app that grew to over 100 users. First Class Computer Science graduate (CGPA 4.97/5.00).

TECHNICAL SKILLS

TypeScript | JavaScript | Python | C# | Java | C++ | Dart | SQL | React | Next.js | Vite | TanStack Query | Tailwind CSS | Node.js (Express, Prisma) | FastAPI | Flask | SQLAlchemy | .NET | Flutter | PostgreSQL | SQL Server | MySQL | MongoDB | Firestore | AWS | Git | Machine Learning | IoT

Coursework: Problem Solving & Algorithms | Artificial Intelligence | Object-Oriented Programming | Data Structures & Algorithms | Computer Architecture & Organization | Database Management Systems | Computer Programming

EDUCATION

Nile University of Nigeria

B.Sc. Computer Science, First Class (CGPA 4.97/5.00) *2025*

- Best Graduating Student, Computer Science Department
- Best Graduating Student, Faculty of Computing
- Overall Best Graduating Student (2nd Runner-Up), Class of 2025

EXPERIENCE

Software Engineer Intern (NYSC)

KPMG *February 2026 - Present*

- Full-stack engineer in the Digital Factory team, building web and mobile applications, from front ends to their back-end integrations: internal tools used across the firm, spanning leadership finance, case tracking, firm-wide HR processes and developer tooling, as well as client-facing products.
- Work on a client-facing asset-management solution (Vite + React web app, .NET back end, Flutter mobile app), and manage the team's Flutter applications.
- Turned a manual internal process that had run for years into a secure, automated system, and built AI-assisted tools that support research and reporting.
- Built security in across the stack with in-browser RSA encryption, TOTP multi-factor sign-in, AES-256 encryption of data at rest (TDE) and Active Directory sign-in.
- Work closely with end-users and other teams in Agile sprints, iterating on feedback and presenting solutions to stakeholders.
- Stack: TypeScript, React, Vite, TanStack Query, Tailwind CSS, Node.js (Express, Prisma), Python (FastAPI), C# / .NET 9, Flutter, SQL Server; MFA, encryption and vulnerability testing (VAPT).

Co-Founder & Software Engineer

Mufradaat *September 2025 - January 2026*

- Architected a full-stack vocabulary learning application focusing on performance and user retention.
- Designed a scalable database schema in Postgres to manage complex many-to-many relationships between vocabulary terms, user progress, and category tags.
- Implemented a Spaced Repetition System (SRS) algorithm on the backend to optimize learning intervals for users.
- Released V1, which grew to over 100 users with barely any advertising; live at mufradaat.vercel.app.

Software Engineer

Residence Spaces *July 2025 - August 2025*

- Rejoined to architect and build V2 as the product broadened from student housing to owners managing many properties; wrote most of the V2 codebase.
- Built a Next.js and TypeScript dashboard for owners covering occupancy, rent collected, properties and units, tenants and tenant applications, plus a step-by-step add-property wizard.
- Implemented phone-number sign-up with one-time codes delivered over WhatsApp, using Better Auth.
- Collaborated with product stakeholders to redesign workflows based on real user feedback from V1.

Founding Software Engineer
Residence Spaces *December 2024 - February 2025*

- Led full-stack development (front-end & back end) to build and launch a student-accommodation platform within three months.
- Used React & Tailwind for the front-end, Node.js & TypeScript for the back end, Passport.js for authentication.
- Designed a clean and responsive UI/UX, ensuring a seamless user experience.
- Implemented error handling, authentication, and security best practices.

Tech Platforms Intern
KPMG *July 2024 - September 2024*

- Developed Standard Operating Procedures (SOPs) for companies in the oil & gas and investment sectors, covering IT, HR, and other business functions.
- Conducted industry research to align company policies with best practices.
- Gained exposure to software development processes by interacting with the app development team, observing their workflows, and understanding implementation strategies.

IT Intern
IHS Towers *July 2023 - September 2023*

- Collaborated with a team of 6 members to deliver comprehensive first-level IT support daily to the Network Operations Center (NOC).
- Set up and deployed over 30 workstations across the various NOC departments.
- Carried out quarterly maintenance on over 100 NOC workstations.

PROJECTS

Downstream Petroleum Transportation Monitoring System | Arduino | Flutter | MQTT | Firestore *2025*

- Engineered an IoT-based monitoring system designed specifically for the downstream petroleum sector to mitigate fuel theft, enhance route visibility, and monitor product during transit.
- Integrated an Arduino Uno microcontroller with a NEO-7M GPS module for real-time location tracking and an ultrasonic sensor to continuously estimate petroleum levels within mobile tanks.
- Designed a mathematical calibration algorithm utilizing a cylindrical dipstick model and dynamic temperature compensation to accurately convert raw sensor distances into precise fuel volume estimates.
- Developed a cross-platform Flutter mobile application to process and display live telemetry data transmitted via Bluetooth.
- Architected a scalable data pipeline using the MQTT protocol to synchronize real-time tanker data with a Firestore database, enabling remote access for logistics administrators and stakeholders.

Lasustennis Club Ladder Games | Python (Flask) | PostgreSQL | Next.js | FastAPI *2023, rebuilt 2026*

- Automated the processing of match results to get tournament standings.
- Designed a database that eased calculating statistics like players' head-to-head, win-loss ratio, average points-per-match, etc.
- Used image processing to generate fully automated images of the state of the tournament after games every weekend.
- Led to over 100% increase in tournament participants and viewers from previous year.
- Rebuilt in 2026 with Next.js, TypeScript, TanStack Query and FastAPI; live at isl-tennis.vercel.app.

LEADERSHIP EXPERIENCE

Backend Lead, *Google Developer Student Clubs (GDSC), Nile University* *2023 - 2024*

Member, *Nile University Students Ambassadors*