AbdulMuhmeen Leasu

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EDUCATION

Durham University   Durham, UK
Bachelor of Sciences in Computer Science   *Oct 2024 – Jun 2027*
Modules: Algorithms & Data structures, Computer Systems, Networks and Systems, Software Engineering

Concord College
A Levels: Mathematics, Physics, Further Maths, Chemistry   *Sep 2022 – Jun 2024*

EXPERIENCE

Software Engineering Intern   May 2025 – Sept 2025
Mercurie   *Lagos, Nigeria*
- Built a customer service chatbot using **Go** and **Gemini API** for real-time web integration.
- Prototyped automated business agents utilizing **Google Vertex AI** and prompt engineering.
- Managed API integrations and monitored LLM performance within **Google Cloud Platform (GCP)**.
- Assisted in technical documentation and requirement scoping for **gRPC microservices**.
- Researched and applied **Go** backend patterns to enhance internal operational tools.

Founder & Lead Engineer   Aug 2024 – Present
AMALWorks
- Founded a software consultancy delivering **full-stack** solutions and cloud strategy for SMEs.
- Deployed cost-effective cloud applications on **Azure** and **GCP**, optimizing CI/CD pipelines for rapid iteration and high availability.
- Engineered and launched two **SaaS** platforms (*GbeWa* & *AMAL Inventory*), overseeing product roadmaps, architecture design, and beta testing
- Utilized **Firebase** for scalable storage and analytics to track user engagement and platform health.
- Building a personal brand and technical community by documenting engineering challenges and software architecture decisions to a growing audience.

Tech Officer   Feb 2025 – Mar 2025
Durham Women in Tech Hackathon   *Durham, UK*
- Helped organise and run the inaugural edition of the Durham Women In Tech Hackathon within the Tech Team
- Developed and maintained the duwithacks.com website using Next.js and TypeScript
- Volunteered over the 2 days of the event to ensure smooth hacking for the over **40 participants**

PROJECTS

AMAL Inventory | *Flutter, Dart, SQLite, Firebase*   July 2024 – Present
- Engineered an Offline-First mobile ERP for MSMEs, ensuring 100% availability in low-connectivity regions.
- Implemented **FIFO batching** logic to automate COGS, revenue, and profit margin calculations.
- Built a robust **SQLite** local storage architecture with background syncing for cloud redundancy.
- Deployed to the **iOS App Store** and **Google Play**, serving a growing base of micro and small businesses.

Knight and Samurai: Pets Quest | *Godot, Itch.io, App Store Connect*   Jun 2025 – Jun 2025
- Overall **Winner** of the Durjam 2025 hackathon
- Collaborated cross-timezone with my teammate ensuring seamless project development and communication
- Quickly learnt and applied the Godot game engine to build a functional and complete videogame from scratch
- Engineered complex State Machines to control player logic and intelligent enemy AI
- Expertly resolved numerous merge conflicts, maintaining project integrity and smooth collaboration

amaltools.com (EPQ) | *Django, Bootstrap, Git, Nginx, PostgreSQL, AWS, Google Analytics*   Nov 2022 – Aug 2024
- Developed a full-stack web application with Django, that provided a GUI for popular python libraries such as text extraction from images using Tesseract OCR and youtube to mp4 using ytdlp
- Leveraged Git and GitHub actions to automatically test and deploy to production VPS
- Deployed a fully operational python based web app onto a Linux server using Nginx
- Launched a live website on the amaltools.com domain achieving over **3000 visits**
- Tracked over **1.1k unique users**, with a peak of **97 in a single day**

TECHNICAL SKILLS

Languages: Python, Go, C, Dart, JavaScript, TypeScript
Frameworks: Django, Flutter, React, Next.js, Node.js, FastAPI, Flask
Developer Tools: Git, Github, VS Code, Docker, Google Analytics, Google Gemini, GCP, Firebase