

WORK EXPERIENCE

- Software Developer, Co-Founder**, Shopmob Supermarket Ltd., Lagos, Nigeria2019 Sep – 2022 Jun
 - Built web and mobile retail apps using React Native, Firebase and third-party APIs
 - Automated daily emails and push notifications to customers using Python and Cloud Functions
 - Web scraped product prices from supplier and competitor websites into CSV files stored in Azure Data Lake
 - Developed an ELT pipeline to combine POS and web platform data into a data warehouse using Python and TSQL in Azure Synapse Analytics
 - Created PowerBI dashboards to visualise sales patterns and track customer response to initiatives.
 - Managed the day-to-day online/offline operations of the supermarket
- Data Analyst**, HSBC Investment Bank, Global Markets Operations, London, UK2018 Sep – 2019 Aug
 - Built ETL pipelines and corresponding visualisations in QlikSense to support the PMO in tracking the projects
 - Automated manual operations using VBA, Nintex, and RPA. Reduced operational risk in attestations, desk instruction manuals, task checklists, email outreach, report generation, and assurance activities
 - Developed web-apps to assist in optimising project resources and reducing planning cycle duration
 - Worked within an agile team to prioritize tasks and manage progress by utilising the Kanban framework
- Audit Trainee**, Ogunsola & Ogunsola & Co., Lagos, Nigeria2017 Oct – 2018 Jan
 - Provided accounting services to clients including preparing and publishing financial statements
 - Automated a variety of Excel spreadsheets using Excel built-in functions and VBA
- Business Analyst**, Solaj Investment Ltd., Lagos, Nigeria2017 Jan – 2017 Sep
 - Used Python to automate the daily web scraping of home prices from a popular website into Excel files to assist in appraising potential projects
 - Developed the proposal for the establishment of the company’s first residential estate, and participated in fund raising

PERSONAL PROJECTS

- 2021: Power Cuts Alert:** Power cuts are a daily affair in Nigeria. I developed a solution to inform users in my locality (via a mobile app push notifications and email) of power cuts and restoration using a microcontroller, React Native, Firebase, and Cloud functions.
- 2020: Algorithmic Trading:** Automated the daily execution of a momentum algorithm on a global macro portfolio using the Alpaca Trading API, GCP Cloud Functions, and Cloud Scheduler.
- 2018: Used Car Arbitrage:** Developed a python script to rank arbitrage opportunities between US and Nigerian used-cars markets by scraping price data from used-cars sites

EDUCATION

- 2011 – 2016: University of Manchester-** MEng (Hons) Electrical and Electronic Engineering (2:1)
- 2009 - 2011: Malvern College-** International Baccalaureate (IB) Diploma

CERTIFICATIONS

- 2022: Azure Associate Data Engineer**, Microsoft
- 2020: Certificate in Quantitative Finance (CQF)**, Fitch Learning
- 2018: Machine Learning**, edX: University of California, San Diego

AWARDS

- 2019: HSBC Global Markets Operations: Above and Beyond Award Nominee** for work ethic and team spirit.
- 2016: UoM EEE Final Project: Innovative Design Recognition** for the design of a mobile sensor for e-agri.
- 2015: Manchester Leadership Award** for completion of required coursework and community impact.
- 2014: UoM Embedded Systems Project Finalist** at the annual unmanned robot buggy competition.
- 2010: British Science Association Gold Crest Award** for the design of a disaster relief Unmanned Aerial Vehicle.

TECHNICAL COMPETENCIES

- Enterprise Software:** Excel, PowerBI, Sharepoint
- Programming/Scripting:** SQL, Python, Javascript
- Azure Cloud:** Azure Data Lake Gen2, Data Factory, Synapse Analytics
- Google Cloud:** Cloud Functions, Firestore, Cloud Storage, Cloud Secrets, Cloud Scheduler
- Other software:** Git, Unix, Cron