OLUWASEGUN TORIOLA

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PROFILE

Data and Cloud professional with hands-on experience building AWS serverless architectures, event-driven pipelines, Python automation systems, Power BI dashboards and SQL reporting workflows. Currently completing an MSc in Information Technology at the University of the West of Scotland (graduating June 2026), with a live portfolio of real-world cloud and data projects that demonstrate end-to-end delivery. Equally comfortable working on cloud infrastructure, data engineering, analysis and stakeholder-facing visualisation — and motivated by building things that actually solve problems.

TECHNICAL SKILLS

Cloud	Data and Analytics	Programming and Tools
AWS: Lambda, EC2, S3, DynamoDB, EventBridge, SES, IAM, VPC, CloudWatch	SQL (complex queries, joins, aggregations)	Python (pandas, NumPy, Lambda, pipelines)
Firebase Firestore (europe-west2)	Power BI (DAX, KPI dashboards, self-service)	Git, GitHub, REST APIs, JavaScript, HTML/CSS
Serverless design, Event-driven pipelines	Excel (Power Query, pivot tables, charts)	EmailJS, Firebase SDK, JIRA, Confluence
CI/CD concepts, Docker fundamentals	Data modelling, Root cause analysis	Microsoft 365, VS Code, Power Query
	Statistical analysis, Data quality management	Agile, Systems analysis, IT Project Management

KEY PROJECTS

NHS Job Sponsorship Tracker *AWS Lambda · EventBridge · DynamoDB · S3 · SES · Python*

- Architected and deployed a fully serverless, event-driven AWS pipeline from scratch. EventBridge triggers scheduled Lambda functions that scrape NHS listings, parse sponsorship eligibility and store structured records in DynamoDB. Results are served via a live S3-hosted dashboard with SES email alerts for new matches. Demonstrates end-to-end cloud system design, serverless compute, NoSQL data storage and automated data pipeline delivery.

ENGMart Cloud Retail and Inventory System *Firebase Firestore · EmailJS · JavaScript · Python · MSc Dissertation*

- Designed and continues to develop a live cloud-native retail and inventory management platform with real-time Firestore order syncing, transactional notifications and weight-based delivery pricing logic across paired storefront and admin interfaces. Demonstrates cloud database architecture, real-time data sync, serverless backend design and full-stack cloud application development.

Automated Job Hunter — jobhunter-pro *Python · Claude API · Reed.co.uk scraping · PDF generation · AWS EC2 (planned)*

- Built a Python automation system that scrapes Reed.co.uk job listings, calls the Claude API to tailor CVs to each specific job description and generates formatted PDF outputs. Deployed locally with active migration to AWS EC2 planned. Demonstrates API integration, data extraction, automation pipeline design and end-to-end cloud deployment thinking.

EXPERIENCE

Data and Operations Specialist OS Toriola Steel Construction Company   *Nov 2022 to Jan 2025*

- Analysed operational and production data across departments, identifying trends, root causes and performance inefficiencies, and translating findings into clear recommendations acted upon by senior management.
- Designed and maintained Power BI dashboards and SQL-driven automated reporting that gave leadership real-time KPI visibility, replacing manual spreadsheet processes and improving decision-making speed across the business.
- Collaborated across engineering, supply chain and finance to standardise reporting definitions and data flows, reducing redundancy by 30% and establishing a reliable single source of truth organisation-wide.

EDUCATION

MSc Information Technology University of the West of Scotland, Paisley   *Expected June 2026*
Modules: Database Design, Cloud Architecture, Systems Analysis, IT Project Management, Networking and Data Communications, AI and IoT

HND Mechanical Engineering Lagos State Polytechnic, Nigeria