

Kabiru Akande, PhD

GCP MLE Certified | Terraform Certified

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WORK EXPERIENCE

OVO Energy

Nov 2021 – Present

Senior Machine Learning Engineer

Bristol, UK

- Led the architecting, implementation and operation of our data warehouse and data exchange platforms that ingest data from multiple partners and sites, integrating streaming, real-time and batch processing data pipelines
- Collaborated with product and engineering teams to implement ML-driven models on GCP, leading to a 20% churn reduction. This involved taking technical ownership and closely working with cross-functional teams
- Increased propensity models' conversion rate by 15% via implementing continuous drift monitoring pipeline
- Implemented [ML platform](#) on GCP for automating modelling with 50% reduction in time to production
- Incorporated IaC principle for infrastructure provisioning and templating; enhanced pipeline efficiency by 60%
- Achieved 30% improvement in build and testing workflows by integrating containerization and CI/CD pipeline
- Improved technical skills of junior MLE and data scientists via mentoring, saving significant hiring cost

BIG-DEAL

Sept 2019 - Nov 2021

Senior Machine Learning Engineer

Bristol, UK

- Developed an AWS Lex-based chatbot as data product in line with MLOps and DevOps best practices
- Led the development of time-series predictive models (**Healthy-Air**) on AWS SageMaker for improving poor indoor air quality leading to new line of product and revenue streams; Promoted to Senior ML Engineer
- Established framework for data processing and machine learning pipelines which accelerated time to production

Mindful Chef

July 2019 - Sept 2019

Data Scientist

London, UK

- Built a personalised recommender system (**Digital Waiter**) using innovative recipe embeddings (recipe2vector) which increased purchase volume by 35%, retention by 20% and yield £2 million additional yearly revenue
- Developed a decoupled microservice platform serving recommendations via api; saved 10% on integration time

Li-Fi Research and Development Center

Nov 2015 – July 2019

Machine Learning Research Engineer

Edinburgh, UK

- Developed multilayer perceptron models for channel estimation with 5% improvement on state-of-the-art
- Created a Python application to automate experimental workflows; Team's productivity boosted by 50%

Center for Petroleum Refining and Petrochemicals Dammam

Aug 2012 – Oct 2015

Machine Learning Research Engineer

Dammam, KSA

- Improved oil reservoir characterisation by developing a novel feature engineering technique with 100+ citations
- Awarded three US patents for innovative techniques that minimised modelling errors in communication channel

EDUCATION

University of Edinburgh

Nov 2015 - July 2019

PhD in Electrical Engineering

Edinburgh, UK

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** Google Cloud Professional ML Engineer | HashiCorp Certified: Terraform Associate (003)
- **Skills:** AWS/GCP | Pytorch | Terraform | Kubernetes | Airflow | Deep learning | LLM | Distributed computing
- **Awards:** Three US Patents | UK Promising Talent (Royal Academy of Engineering) | Most innovative prize (2019 S2DS)