ORINA TOLULOPE

Certified Solutions Architect Professional with 3+ years of experience deploying scalable cloud solutions (AWS, Azure). Led teams of 7 engineers on AI/ML projects with budgets over $50K, optimizing infrastructure and achieving cost savings of 20%. Delivered high-impact solutions serving millions globally, enhancing efficiency and scalability. Looking to drive innovation and operational excellence in a senior solutions architect role.

Swansea, UK
 +447823890865
toluorina@gmail.com
linkedin.com/in/tolu-orina-a48b40aa
github.com/Tolu-Orina

PROFESSIONAL EXPERIENCE

CECURE INTELLIGENCE LIMITED – Remote

Lead Machine Learning Architect (March 2023 - Present)

- Engineered "Findme" facial recognition solution, boosting attendance tracking efficiency by 50% and cutting manual processing by 10 hours weekly
- Designed serverless AWS solution handling 10,000+ daily records with zero downtime, decreasing operational costs by 30%
- Implemented Liveness Detector project, enhancing KYC validation accuracy by 30% and reducing fraud attempts by 15%
- Created Ask-Betty, a GenAI gift recommendation app using Amazon Bedrock and Claude 3.5, increasing user engagement by 40% and average order value by 20%
- Refined CecureOCR models to 98% accuracy, processing 1 million+ documents monthly
- Constructed CI/CD pipeline with AWS CloudFormation, cutting deployment time by 25% and accelerating release frequency from bi-weekly to daily
- Launched CecureStream video conferencing app with end-to-end encryption with 5 junior developers, reducing latency by 15% for 1000+ concurrent users

ZUMMIT AFRICA – Remote

Junior Data Scientist (Oct 2022 - Feb 2023)

- Attained 85% accuracy in Ethereum Price Prediction using time-series forecasting and LSTM networks
- Enhanced Fake News Detection system accuracy by 20%, processing 10,000+ news articles daily using Python and ML libraries for real-time insights

SKILLS

Cloud Platforms: AWS (Lambda, Step Functions, Rekognition, Amplify, S3, EC2, RDS), Azure (App Service, Functions, Cosmos DB)

AI/ML: SageMaker, AWS Rekognition, TensorFlow, Scikit-learn, PyTorch, Keras, NLTK

DevOps: Terraform, AWS CodePipeline, AWS Batch, Azure DevOps

Programming: Python, SQL, R, React, Node.js, TypeScript

Containerization: Docker, Kubernetes, Amazon ECS, Azure Container Instances

Data Analysis: Pandas, NumPy, Matplotlib, Seaborn, Tableau, Power BI

Version Control: Git, GitHub, Bitbucket

Databases: MySQL, PostgreSQL, MongoDB

API Development: RESTful APIs, GraphQL, FastAPI, Flask

CERTIFICATIONS

AWS Solutions Architect Professional (2023)

AWS Machine Learning Specialty (2023)

Microsoft Azure DevOps Engineer

HAMOYE – Remote

Junior Data Engineer (July 2022 - Oct 2022)

- Improved Premier League Match Prediction model accuracy to 80% using Python and AWS
- Boosted Breast Cancer Prediction model accuracy by 15% through feature engineering
- Optimized database queries, cutting average execution time by 30%

AIMA Startup: Remote

Machine Learning Engineer (June 2022 - Sept 2022)

- Crafted AI heuristics for medical assistant, achieving 90% prediction accuracy on patient diagnostics
- Upgraded AI model performance by 25% using Rasa NLU, improving user satisfaction by 40%

EDUCATION

Swansea University, MSc in Health Data Science (2024)

DataCamp: Data Scientist Professional (2021)

University of Lagos, B.Pharm in Pharmacy (2019), Second Class Upper

PROJECTS

Implemented AWS Lake Formation, reducing unauthorized data access attempts by 95% and achieving fine-grained security for 100MB+ data lake

Engineered ETL pipeline using Amazon Redshift and Redshift Spectrum, processing 500K+ records daily with 99.9% accuracy

Developed real-time streaming data ingestion system with Amazon Kinesis, handling 100,000 events per second with sub-second latency

Automated CSV to Parquet conversion using AWS Lambda and S3, reducing storage costs by 40% and query time by 60% for 1M+ records

Expert (2023)

AWS DevOps Engineer Professional (2023)

LANGUAGES

English (Fluent), French (Fluent)

PERSONALITY

Innovative: Develop creative solutions for complex challenges by thinking outside the box and embracing new technologies.

Resilient: thrive in fast-paced environments, quickly mastering new technologies, and maintaining productivity under pressure.