Maya Iuga

Cloud Engineer

Cloud engineer with over 2 years of experience in designing complex data solutions and maintaining cloud infrastructure on AWS and Azure. Committed to applying automation, DevOps principles, and leveraging cloud technologies to improve the agility and efficiency of businesses. Key achievement: delivered two crucial government funded projects, generating >£1M in revenue from 250 clients.

WORK EXPERIENCE

AiCore, London, United Kingdom

Cloud Engineer 03/2023 – Present

- Managed the development and deployment of AWS and Azure solutions that met the strategic needs of a government-funded contract serving 250 clients and generating >£1M in revenue.
- Migrated the company's data analytics platform to AWS, consolidating data from diverse sources into a unified destination & optimizing query efficiency by up to 68%. Implemented an ETL pipeline leveraging Lambda and Glue, alongside RDS, S3 and DynamoDB for data storage.
- Lead the development of an end-to-end DevOps pipeline utilized by over 100 clients, utilizing Docker and Kubernetes for containerisation.
- Orchestrated real-time event streaming from delivery portal, using serverless architecture, including AWS EventBridge and Lambda, boosting data processing efficiency and real-time analytics capabilities.
- Automated provisioning & cleanup of Azure client accounts using Terraform and Azure Functions resulting in a reduction of the company's Azure expenditure by 70%.
- Created custom Python scripts and GitHub Actions to automate daily updates from data sources, reducing manual work and increasing efficiency by 200 %.

AiCore, London, United Kingdom

Cloud & Data Support Engineer 09/2022 – 03/2023

- Trained and supplied 180 clients with technical support in cloud & data engineering technologies. Decreased client training time by 52%.
- Managed a team of 8 engineers with an annual turnover rate of 12.5%. Received promotion ahead of schedule.
- Automated the deployment of over 120 AWS & Databricks client accounts using AWS CloudFormation.
- Automated the decommissioning of AWS client accounts using API Gateway, AWS Step Functions and AWS lambda, leveraging serverless architecture. This resulted in a 24% reduction in monthly expenditure.

EPFL, Lausanne, Switzerland

PhD Student - Neural Computation 11/2020 – 03/2022

- Implemented and developed a data analysis pipeline using Python, serving the analytical requirements of a team of 9 scientists.
- Analyzed big data, including over 600GB of time series data and 80GB of video data to derive insights in neural computation research.

CONTACT

- Edinburgh, United Kingdom
- +407522628229
- maya_iuga@yahoo.ro
- LinkedIn
- GitHub
- Personal Website

SKILLS

Certifications:

- AWS Certified Solutions Architect Associate
- Databricks Certified Data Engineer Associate
- Microsoft Azure Fundamentals

Technical Skills:

- Python
- SQL
- AWS
- Azure
- Spark
- Databricks
- Azure DevOps
- Terraform
- CloudFormation
- Airflow
- Kafka
- Docker
- Kubernetes
- git
- GitHub Actions

EDUCATION

EPFL, Lausanne, Switzerland
PhD Candidate - Neural Computation
11/2020 - 03/2022

UCL, London, United Kingdom
Master of Science - Neuroscience
09/2016 - 07/2020