

Mireno De Giorgio

Senior Platform Engineer

Cambridge, UK | <https://www.mirenodegiorgio.com/>

Personal Statement

I am a Lead Platform Engineer and Developer passionate about technology based in Cambridge, UK. I have spent the last nine years working on multiple projects related to cloud technologies (AWS & Azure). I enjoy engaging with various infrastructure technologies, including automation, cloud platforms, containerisation, and both front-end and back-end development. I have experience in building internal tools and services, as well as developer and self-service platforms. I want to join a growing company and help develop, improve, and maintain exciting products.

Technical Skills

- AWS: IAM, VPC, EKS, ECR, ECS, EBS, EC2, RDS, S3, CloudFront, Lambda, Step Functions, DynamoDB, SNS, SQS, KMS, SES, API Gateway, CloudWatch, EventBridge etc. Experience working with multi-region deployments. Developed multiple AWS serverless applications (Using SAM).
- Terraform: experience working with multiple terraform providers (AWS, GCP, OKTA, Checkly, Vault). Experience creating complex modules. Experience delivering complex Terraform flows using tools like Terragrunt plus custom implementations.
- Azure: VNet, AKS, ACI, VMs, RBAC, Storage Accounts, App Service, etc.
- CI/CD: GitLab, GitHub Actions, Jenkins.
- IaC: Terraform, CloudFormation, AWS SAM, ARM Templates.
- Kubernetes Ecosystem: Argo CD, Valero, Traefik, AWS Load Balancer controller, GitHub Runner Controller, Keda, Polaris, KubeCost, Kind, K3d, etc. Packaging and managing applications with Helm.
- Kubernetes Monitoring: Prometheus, Thanos, Loki, Promtail, Tempo, Grafana, Alertmanager.
- Experience architecting and building microservices.
- Configuration Management: Ansible, PowerShell DSC.
- Scripting Languages: Python, Bash, PowerShell, NodeJS.
- Programming Languages: JavaScript, TypeScript, Python, Go.
- Experience managing Windows and Linux Servers.
- AI Tools: GitHub Copilot, ChatGPT, Cursor, V0.

Experience

Lead Platform Engineer | Capgemini | London, UK

Dec 2024 - Present

I'm a Lead Platform Engineer for a public sector client.

Main duties:

- Oversee the technical aspects of the platform team in my area, effectively acting as the Principal Engineer.
- Manage a team of eight engineers and support another eight engineers.

Projects:

- Simplify the code base for 25 services to bring all the new and legacy services under one code structure.

Senior Platform Engineer | Capgemini | London, UK

I'm part of the Platform Engineering BU. We mainly work with the Public Sector, delivering new solutions and maintaining existing ones.

Main duties:

- Plan, architect, develop and build complex solutions in the platform space.
- Contribute to team leadership and training of other engineers.

Projects:

- Build a custom serverless web app to manage AWS Sandbox accounts.
- POC for the deployment of the platform SAS Viya4 in EKS.

Senior Platform Engineer | IMGARENA | London, UK

Feb 2021 – Jan 2023

At IMGARENA, I was part of the Platform team. We were responsible for building and maintaining the shared platform (EKS) that the development teams use. We also supported developers in implementing CI/CD pipelines, deploying to Kubernetes, deploying serverless applications, managing infrastructure using Terraform, and monitoring applications.

Main duties:

- Help development to expand DevOps practices.

- As an AWS Architect, I help design and deploy multiple data flows using AWS services.
- Build and support the Kubernetes platform.
- Run Terraform workshops to help improve HCL implementation and create better code that is easy to read and reuse.

Projects:

- Redesign Terraform Architecture and Deployment strategy.
- Create Terraform patterns to help the Platform team to design Terraform Modules.
- Refactor Terraform CI/CD pipelines to use GitHub Actions while increasing developers' feedback and deployment speed.
- Introduce AWS SAM to help with the local development, testing, and deployment of serverless applications.

Full-Stack Developer | Freelancer | London, UK

Nov 2019 - Nov 2020

The focus was on a self-funding project to develop a new learning application using TypeScript, React, Redux, Electron, and CouchDB.

System Engineer III - Cloud Engineer | Tesco Technologies | London, UK

Jun 2019 - Nov 2019

I was a member of Tesco's CPE (Cloud Platform Engineering) team, which manages its AWS and Azure platforms. Our focus was on helping customers migrate from AWS to Azure.

Main duties:

- Help development teams migrate infrastructure from AWS to Azure.
- Create multiple automations using Python, Bash or PowerShell to solve issues or improve management.

Projects:

- Create part of the automation for the Azure hub DR. (hub-spoke architecture)
- Create new functionalities for the CPE team portal (Python and Flask).

Lead System Administrator | Kaplan International | London, UK

Aug 2017 - Jun 2019

As a Lead System Admin, I created a team roadmap that aligns with the business goal. I also took an important role in deciding which technologies to use and how to execute critical projects.

Main duties:

- Create the Team Road Map, following the business goals.
- Manage the team following Agile methodology and practices.
- Move the team towards a DevOps way of operations.

Projects:

- Migrate Citrix 6.5 running in Rackspace to Citrix 7 in AWS.
- Create a highly available infrastructure on AWS using DSC, PowerShell and CloudFormation.
- Migrate IIS and MSSQL servers from Rackspace to AWS.

System Administrator | Kaplan International | London, UK

Feb 2016 - Aug 2017

2nd Line Support Engineer | Kaplan International | London, UK

Aug 2015 - Feb 2016

1st Line Support Engineer | Kaplan International | London, UK

April 2014 - Aug 2015

Certifications

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| • AWS Certified Security – Specialty | • Microsoft Azure Administrator. |
| • AWS Certified Solutions Architect – Professional. | • CKA: Certified Kubernetes Administrator. |
| • AWS Certified DevOps Engineer – Professional. | • HashiCorp Certified: Vault Associate. |
| • AWS Certified Advanced Networking – Specialty. | • HashiCorp Certified: Terraform Associate. |
| • AWS Certified Developer – Associate. | • MCSA: Windows Server 2012. |
| • AWS Certified Solutions Architect - Associate. | |

Education

TELECOMMUNICATIONS ENGINEER | UNEFA—NATIONAL EXPERIMENTAL UNIVERSITY OF THE ARMED FORCES. | 2007, VENEZUELA.