MGC Systems - Callum Massey

CONTACT INFORMATION	*E-Mail:* callum@mgc-systems.co.uk *Mobile:* 07729767440
EDUCATION	**Swansea University** 2011 – 2014 — BSc(Hons.) Computer Science

SKILLS

- AWS: EC2, EKS, ECS, VPC, TGW, S3, Lambda, EventBridge, SQS, SNS, etc.
- GCP: GCE, GKE, Cloud Run etc.
- Azure: Entra, AppConfig, AppInsights, etc.
- Languages: Python, TypeScript, Node.JS, PHP, Java, Bash
- Extensive experience of cloud provisioning tools, Terraform and CDK/Cloudformation
- Multi-account management through Landing Zone solutions (including Control Tower)
- Linux systems administration including using Configuration Management (Puppet/Ansible)
- DevOps and Build pipelines, including Jenkins, AWS CodeSuite, ADO and Github Actions
- Expert in advanced cloud networking using full suite of VPC, TGW, GWLB and VPNs
- AWS SME in all core services, EC2, S3, Lambda, Route53 etc.
- Use and maintenance of DynamoDB, MySQL and PostgreSQL databases

WORK EXPERIENCE

e-Bate *DevOps Lead*   **November 2023 - June 2024**

Led a team of 4 DevOps Engineers through transformation for the platform, deprecating legacy application and moving customers to the new solution, then migrating all to a new DB stack with full environment segregation and GitOps deployments on EKS with ArgoCD, delivering reducing annual costs by ~$50K and increasing service state transparency.

Amazon Web Services *Systems Development Engineer* **April 2022 - November 2023**

As part of the Region Services team I deployed services to new AWS regions, extended automation of region builds, eliminating manual build steps for initial service builds of SQS. Built the daily operations plan for my new team, liaising with international colleagues to create a unified global team in each region. Built new services for internal use, automated provisioning DNS for my team for new projects and created automated workflows around our team processes.

BJSS *Platform Engineer*   **July 2017 - April 2022**

Platform Engineer consultant at BJSS working in the following roles:

Public Sector - AWS Platform Engineering #3   Sep - April 2022

Lead AWS Engineer, performed discovery and handover to continue development and resume the project with an aggressive outlook on fixing problems and delivering the project.

NHS - AWS Platform Engineering   Sep 2020 - Sep 2021

Senior Engineer on a national health platform and Lead Network Engineer. Designed and built scalable, resilient cross-cloud network architecture supporting fully managed network for over 200 AWS accounts with ingress, egress, cross workload and cross cloud connectivity implementing zero trust by default.

Public Sector - AWS Platform Engineering #1   May - Sep 2020

Public Sector - AWS Platform Improvement and Support #2   Nov 2019 - May 2020

Took a leading role on a project I returned to and built and designed the integration for new services while mentoring new developers and building robust pipelines.

Fintech - AWS Migration   Sep - Nov 2019

Joined an internal client team to augment their cloud capability and build out a best quality template for deploying containerised Jenkins in the cloud and assist with an initial cloud migration of their Tableau platform before migrating other suitable parts of their trading analytics platform to cloud.

Public Sector - AWS Platform Improvements #2   May - Sep 2019

Returned to previous project, working on decreasing running costs on AWS, using right sizing, spot and scheduled autoscaling. This reduced costs by 30% without impacting the business or environment availability. I then worked on improving deployment process, improving flexibility and reliability.

UK Gov - AWS Platform Engineering #2   Mar 2018 - Apr 2019

Lead role in the development of infrastructure for a large on-prem to cloud migration, including major re-architecture of Terraform and Puppet/Hiera code in order to simplify the build and development process for the whole team and push for project go-live. I also developed the automated Performance and Functional Testing frameworks for the test teams.

UK Gov - AWS Platform Engineering #1   July 2017 - Mar 2018

Built new data platform and extended alerting/monitoring platform.

CloudCall *DevOps Engineer*   **February 2017 - July 2017**
Timico *Linux Systems Administrator*   **December 2015 - February 2017**
Node4 / Reconnix *Systems Administrator*   **April 2015 - December 2015**