

PROFESSIONAL
SUMMARY

DevOps & Cloud Engineer with a strong background in building and securing cloud infrastructure across AWS. Experienced in Terraform, Kubernetes/EKS, ECS, RDS, Redis, and CI/CD pipelines, with proven delivery of healthcare and SaaS projects. Skilled in compliance and security frameworks including Cyber Essentials, CE+, NHS DSPT, and ISO27001, alongside Microsoft 365 administration Adept at designing scalable, resilient, and compliant systems that bridge cloud operations with enterprise security needs

EXPERIENCE

31G Ltd, United Kingdom/ Pakistan

December, 2024- Present



Role

DevOps Engineer

- Designed, deployed, and maintained multi-environment infrastructures (dev/qa/uat/prod) across healthcare and SaaS projects including MONAI, CareMetrix, BourneHealth, MedicSpot, SimplyConnect, Medulla, and Xana.
- Implemented Infrastructure as Code (Terraform) for VPCs, ECS/EKS clusters, RDS, Redis, ALBs, Route 53, and Secrets Manager.
- Built and optimized Bitbucket CI/CD pipelines for Docker image builds, ECR pushes, and ECS/EKS deployments with automated rollbacks and Microsoft Teams notifications via Lambda.
- Secured workloads by migrating secrets from S3 to AWS Secrets Manager with OIDC, deploying RDS in private subnets, and enforcing Pritunl VPN-only access with SG-to-SG rules.
- Delivered compliance and governance frameworks including Cyber Essentials, CE+, NHS DSPT, ISO27001 alignment, and HSCN connectivity, with REG/Pilot environment separation for NHS clients.
- Improved monitoring and observability with CloudWatch, Prometheus, Grafana, and Route 53 health checks, integrating alerts into Teams to reduce downtime.
- Led Microsoft 365 security initiatives, achieving 100% Intune compliance for 60+ devices, implementing Defender and Purview policies, and reducing spam/phishing through Exchange Admin controls.
- Automated backup and disaster recovery using Vault, UpdraftPlus, and RDS/EC2 snapshot policies to ensure resilience across client systems.
- Collaborated with cross-functional teams to support DevOps practices, cloud migrations, and secure application deployments across AWS and Azure environments.

Main Responsibility

Project

MONAI (Healthcare AI Platform)

- Automated infrastructure provisioning with Terraform (100% IaC coverage) for VPCs, ECS/Fargate clusters, ALBs, RDS, and CloudWatch log groups.
- Secured RDS by deploying into private subnets and enforced bastion host tunneling for 100% database access control.
- Migrated application secrets from S3 env files to AWS Secrets Manager with OIDC authentication, reducing credential exposure risk by 95%.
- Implemented Celery workers with Redis/Valkey and optimized IAM policies, cutting unnecessary permissions by 40%.

Project

CareMetrix (Healthcare Analytics)

- Provisioned cloud resources with Terraform modules for full reproducibility across dev/qa/prod environments.
- Designed Bitbucket pipelines for Docker builds, linting, ECR pushes, and ECS deployments, reducing manual deployment time.
- Built Power BI dashboards with On-Prem Gateway integration, enabling real-time insights by securely combining on-prem and AWS data sources.
- Configured monitoring with CloudWatch + Prometheus exporters and backup automation with Vault, achieving 99.99% availability.
- Implemented Teams notifications via AWS Lambda for ECS health checks and Route 53 endpoint monitoring, reducing downtime detection by 80%.

Project

BourneHealth (NHS Client)

- Designed and maintained multi-environment architecture (dev, qa, uat, prod) with ECS, RDS, Redis, and Secrets Manager integration.
- Configured REG and Pilot environments separately, ensuring NHS REG services did not overlap with Pilot workloads, streamlining HSCN connectivity.

	- Deployed HSCN network configurations with private hosted zones and SG-to-SG routing, achieving 100% NHS compliance. - Restricted DB/application access to Pritunl VPN IPs only, fully eliminating public access. - Migrated configs from S3 env files to Secrets Manager, reducing secret sprawl by 90%.
Project	MedicSpot (Telemedicine Platform) - Managed ECS deployments for backend/frontend workloads with Twilio integration for patient communications. - Developed Bitbucket CI/CD pipelines with Docker → ECR → ECS deployment, adding rollback checks to cut recovery time. - Provisioned multiple RDS databases (Postgres + audit DB) with schema migrations triggered at container startup, enabling zero downtime updates. - Integrated Route 53 with ALB + custom domains providing environment-specific URLs.
Project	Medulla (Healthcare Supplies) - Built WordPress EC2 + RDS infra with UpdraftPlus S3 backups, reducing backup recovery time by 50%. - Automated EC2/RDS snapshot policies for DR, achieving 99.9% recovery readiness. - Secured DB access with Pritunl VPN IP restrictions + bastion tunneling, enforcing zero public exposure. - Deployed backend microservices on ECS with Secrets Manager + OIDC, eliminating static secrets.
Project	Xana (Cloud SaaS) - Deployed hybrid workloads across AWS + Azure, with pipelines and identity integration. - Rolled out OIDC-based authentication to replace static AWS keys in pipelines, eliminating hardcoded credentials.
Project	SimplyConnect (Compliance & Infrastructure) - Spearheaded compliance initiatives for Cyber Essentials and CE+ certifications, implementing patching schedules, vulnerability remediation, and system hardening to achieve 100% audit readiness. - Led the NHS DSPT (Data Security & Protection Toolkit) process, ensuring alignment with NHS information governance standards. - Designed and deployed VMs for analytics workloads, including Apache Superset, enabling secure data visualization and reporting. - Provisioned and maintained VMs in DigitalOcean, optimizing cost and performance while integrating with the existing hybrid infrastructure. - Collaborated with stakeholders to build IT/security documentation and operational processes aligned with ISO27001 best practices.
EXPERIENCE	Stelle Cloud, Remote September 2022- November 2024
Role	DevOps Engineer
Main Responsibility	- Streamlined DevOps practices through cost-effective recommendations, leading to a 20% reduction in operational costs. - Implemented CI/CD pipelines using GitHub Actions, reducing deployment times by 30% and minimizing downtime during releases. - Optimized application performance by configuring and deploying applications on Linux servers, resulting in a 25% improvement in system uptime. - Automated infrastructure provisioning and management using Terraform (IaC), decreasing manual configuration errors by 40%. - Strengthened security posture with Grafana monitoring tools and implemented secure firewalls, reducing security incidents by 15%. - Collaborated with clients to deliver tailored solutions within deadlines and budget constraints, improving client satisfaction scores by 10%. - Ensured AWS infrastructure adherence to the "5 pillars of AWS," maintaining best practices and enhancing system reliability.
Project	FISHBOWL - Containerized applications using Docker for enhanced scalability and portability, leading to a 15% reduction in deployment-related issues. - Automated application deployment on AWS ECS with Terraform (IaC), streamlining the deployment process and reducing manual intervention by 40%. - Established a CI/CD pipeline using GitHub workflows, accelerating deployment frequency by 25%.

Project	SHIPYARD - Led the migration of 10+ microservices from AWS Lambda to Amazon EKS, achieving a 30% improvement in scalability and performance. - Developed CI/CD pipelines using Bitbucket, reducing deployment time by 40% and automating image pushes to Amazon ECR. - Configured Grafana and Prometheus to monitor 100+ metrics, resulting in a 25% reduction in incident response time through real-time dashboards.
AWS Tools & Technologies	- S3 - EC2 - IAM - VPC - Route 53 - Secrets Manager - CloudFront - Lamda - Fargate - ECS - ECR - AWS CLI - SES - Workspace - EBS - RDS - ElastiCache - MQ - CloudTrail - SNS - Textract
DevOps Tools Stack	- AWS - Twilio - Terraform - Docker - Powershell - Microsoft Intune - MS Defender - Linux - GoDaddy - Bash - Grafana - GitHub - MS Purview - Entra ID - Azure - Bitbucket - Kubernetes - SQL - Microsoft 365 Admin Centre - Exchange Admin Centre - Cyber Essentials/Cyber Essentials Plus
CERTIFICATIONS	 AWS Certified Solutions Architect - Associate Certification 05/2024  Microsoft Certified Azure Administrator - Associate Certification 09/2024  AWS Certified AI Practitioner - Foundational Certification 08/2025
EDUCATION	BA (Hons) in Accounting and Finance Cardiff Metropolitan University 2021-2022 BA (Hons) in Accounting and Finance with Foundation (Transferred) University of Gloucestershire 2018-2021
REFERENCES	Subhan Malik CEO Stelle Cloud +1 (516) 860 3392 Zahra Tariq CTO Cloftech +92 332 8355086 Haseeb Amjad Senior DevOps, 31G +92 310 5475769