

ALESSANDRO GALLO

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Summary

Results-driven AWS DevOps Engineer specializing in infrastructure automation, continuous integration, continuous deployment, and containerization. Expert in microservices architecture, Infrastructure as Code, and performance optimization with proven success in cost reduction and system reliability improvements.

Experience

AWS DevOps Engineer | 02/2023 - Present | beSharp | Pavia, IT

- Architected and deployed scalable, secure cloud infrastructure using Infrastructure as Code (IaC) with Terraform, AWS CDK, and CloudFormation.
- Implemented continuous integration and continuous deployment pipelines utilizing infrastructure automation with AWS Code Suite and Azure DevOps to streamline application deployment and improve release velocity.
- Orchestrated containerization and microservices architecture migration of monolithic legacy applications using container orchestration tools, enhancing system reliability and scalability.

Key Projects

Data Platform (DevOps) | International Humanitarian Organization

- Architected a secure, serverless ETL data platform (AWS Glue, S3, Redshift), creating a robust solution for sensitive data processing. Implemented a Single Point of Truth (SPOT) architecture, reducing manual data analyst workload by 30%.

FinOps Assessment (Cloud Finance) | Humanitarian Organization

- Led a cloud financial assessment to analyze spending and waste across EC2, S3, and data transfer. Delivered a cost optimization plan that reduced monthly cloud spending by 65% via rightsizing, storage tiering, and Savings Plans.

Web Staticization & Edge Optimization (Cloud Operations) | Global Website

- Engineered a CI/CD pipeline (AWS CodePipeline) to convert a dynamic site to a static version on S3. Used CloudFront and Lambda to reduce global average page load times by over 70%.

Skills

Cloud Platforms: AWS, Azure, Oracle Cloud (OCI), AWS: EC2, S3, Lambda, RDS, VPC, IAM, CloudWatch, DevOps: Docker, Kubernetes, Jenkins, GitLab CI, Ansible, IaC: Terraform, CloudFormation, AWS CDK, Languages: Python, Bash, PowerShell, SQL, Monitoring: Prometheus, Grafana, ELK Stack, CloudWatch, Version Control: Git, GitHub, GitLab, Security: VPC Design, IAM Policies, Security Groups

Certificates

AWS Certified Solutions Architect Professional, AWS Certified Developer Associate, AWS Certified SysOps Administrator Associate, AWS Certified Solutions Architect Associate, Microsoft Certified Azure Fundamentals, Microsoft 365 Certified Fundamentals, Microsoft Certified Security, Compliance and Identity, Cisco Certified Cyber Threat Management, Network Defense, Zyxel Certified Network Engineer

Education

Associate Degree in Cloud and Data Security | ITS Angelo Rizzoli | 07/2023 | Milan, IT