MRIDUN GEORGE

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Results-driven DevOps Engineer & System Analyst with 2+ years of experience in cloud infrastructure (AWS & Azure), CI/CD automation, cybersecurity, and enterprise IT support. Expertise in Microsoft Dynamics 365 (CRM & ERP), system security, automation, and Infrastructure as Code (IaC). Strong background in managing cloud environments, optimising deployments, and enhancing enterprise IT systems.

Experience

Howards Storage World, Sydney | Systems Analyst (May 2024 – Pre)

- Microsoft Dynamics 365 Administration: Managed CRM & ERP systems, automated workflows using Power Automate & PowerApps, and integrated cloud solutions with Azure Logic Apps.
- DevOps & Cloud Management: Built CI/CD pipelines using Jenkins, GitHub Actions, and Azure DevOps, improving deployment efficiency by 40%.
- Infrastructure as Code (IaC): Automated provisioning with Terraform & CloudFormation, reducing manual configuration efforts by 60%.
- SIEM & Security Monitoring: Deployed Splunk & Microsoft Sentinel for security event monitoring, log analysis, and threat detection.
- Cloud Security & Compliance: Implemented ACSC Essential Eight, NIST, and Azure Security Centre policies, ensuring compliance with security frameworks.
- Incident Response & Threat Hunting: Integrated Splunk Enterprise Security, AWS GuardDuty, and Azure Defender to detect and mitigate security threats.
- Monitoring & Observability: Configured ELK Stack, Prometheus-Grafana, and AWS CloudWatch for real-time system monitoring.

Aus Biz Consultancy, Sydney | AWS DevOps Engineer (Nov 2023 – May 2024)

- Serverless Cloud Solutions: Designed and deployed AWS Lambda, API Gateway, and DynamoDB architectures, reducing operational costs by 40%.
- CI/CD Pipeline Automation: Implemented AWS CodePipeline & GitLab CI/CD, enhancing deployment speed by 60%.
- Cloud Security & Governance: Configured AWS IAM, GuardDuty, Security Hub, and WAF to enhance cloud security.
- Observability & Logging: Integrated CloudWatch, X-Ray, and Splunk, improving system visibility and debugging efficiency..

Amazon Development Centre, India | Machine Language Data Associate (Sept 2021 – Jan 2022)

- Provided high-quality data annotation for various workflows, directly contributing to improving Amazon Search services' AI/ML models.

- Successfully met SLA, production, and quality targets through meticulous attention to detail and strong analytical skills.

Education

- **Master's in applied information technology,**

  VICTORIA UNIVERSITY, Sydney (Feb 2022- Oct 2024).

- **Bachelor of Mechanical Engineering,**

  Adi Shankara Institute of Science and Technology, Kerala, India (June 2016 – June 2020)

Skills & abilities

- Cloud Platforms:
  - **AWS:** Proficient in EC2, S3, Lambda, CloudTrail, IAM, Amplify, CloudFormation, Step Functions, SNS, RDS, VPC, EKS, EBS, DynamoDB, specialising in scalable cloud solutions and security configurations.
  - **Azure:** Proficient in Azure Virtual Machines, Blob Storage, Functions, Monitor, Active Directory, DevOps, Resource Manager, Logic Apps, SQL Database, Virtual Network, Kubernetes Service (AKS), Key Vault, specialising in scalable cloud solutions and security configurations.
- Cybersecurity:
  - Proficient in vulnerability assessment tools: Nessus, Qualys, and Wireshark.
  - Advanced knowledge of SIEM tools: Microsoft Sentinel, Splunk.
  - Expertise in IAM, endpoint protection, and security controls using Microsoft Defender and Azure Security Center.
  - Skilled in penetration testing and application security using Burp Suite, OWASP ZAP, and SAST/DAST tools.
- Infrastructure as Code**:** Experienced with Terraform for automating and managing cloud infrastructure on AWS and Azure
- Scripting**:** Proficient in scripting languages such as PowerShell, Bash, and Python, used for automation, configuration management, and cloud operations.
- Containerization & Orchestration: Expert in Docker and Kubernetes for deployment and management of containerised applications.
- CI/CD Tools: Skilled in Jenkins, GitLab, AWS CodePipeline, and Azure DevOps for streamlining development and deployment processes, including automated builds, testing, and deployments across cloud environments.
- Virtualization Technologies: Knowledgeable in VMware and Hyper-V for creating and managing virtual environments.
- Databases: Experienced in MySQL, PostgreSQL, and MongoDB for database management and optimization.
- Frameworks & Technologies: React.js, Node.js, bcrypt, AWS CodePipeline, CodeBuild, CloudFormation, CloudWatch, AWS X-Ray

CERTIFICATIONS

- AWS Certified Cloud Quest: Cloud Practitioner
  Demonstrates expertise in designing scalable, elastic, secure, and robust applications on AWS.
- AWS Educate Web Application Development Builder
  Skills in developing and deploying web applications using AWS technologies, highlighting practical experience with cloud-based web solutions.
- AWS Solution Architect Associate (AWS certification)
- Junior Penetration Tester (TryHackMe Certifications)
  Covers skills in penetration testing, vulnerability scanning, and cybersecurity best practices.
- DevSecOps Path Completion (TryHackMe Certifications)
  Focuses on integrating security practices into DevOps processes using popular tools like Docker, Kubernetes, Jenkins, and various security scanning tools.

ACTIVITIES

- DevSecOps Project: Deployment of Netflix Clone on EKS:
  - Led a secure deployment of a Netflix clone application on AWS EKS using Docker, Kubernetes, and Jenkins.
  - Integrated advanced security measures with tools like SonarQube and Trivy.
  - Implemented Prometheus and Grafana for performance monitoring and employed Helm and ArgoCD for automated deployment processes.
- Cybersecurity Web Application for Vulnerability Testing
  - Developed an application simulating cybersecurity threat to enhance awareness.
  - Technologies: Node.js, React.js, TypeScript, bcrypt, SQL.

- Cloud Infrastructure Deployment and Monitoring in AWS: Orchestrated a cloud infrastructure project focused on deploying and monitoring services in AWS, ensuring the robustness and reliability of cloud resources.

- OpenTelemetry Astronomy Shop Demo

  - Deployed a microservices-based e-commerce platform with OpenTelemetry for observability.

  - Implemented Kubernetes (EKS, AKS), Terraform, and Prometheus-Grafana for monitoring.

REFERENCES

Upon request