Kilam A

DevSecOps Engineer, 9+ years experience
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I am a skilled DevOps Solution Architect with expertise in creating highly scalable and secure infrastructures, and a proven ability to build robust solutions in dynamic industries. Proficient in working with major cloud platforms including AWS, GCP, and Azure. I hold certifications as an AWS Solution Architect Professional and a Certified Kubernetes Administrator.

INDUSTRIES: Service Business, Hospitality

TECHNICAL SKILLS

• AWS	9 years
• Jenkins	9 years
• DevSecOps	9 years
• Kubernetes	8 years
• GCP	8 years
• Azure	8 years
• Terraform	7 years
• ArgoCD	7 years

SOFT SKILLS

Problem-solving, communication skills, Strategic Thinking, Adaptability, Cross-functional Collaboration

PROJECT DETAILS

- Infra360

Project Description: Develope a secure, multi-cloud DevSecOps infrastructure supporting Kubernetes- and Docker-based application deployments across AWS and Azure. Implement automated delivery pipelines using ArgoCD, Helm, and CI/CD tools, with centralized monitoring and logging via Prometheus, Grafana, Elasticsearch, and Kibana. Optimize infrastructure costs by leveraging Spot instances and Terraform/Terragrunt for Infrastructure-as-Code. Integrate security tools such as Wiz, Checkov, Trivy, and SonarQube, alongside governance solutions like CrowdStrike, HashiCorp Vault, and SIEM platforms, to ensure compliance, security, and operational efficiency.
Responsibilities: Integrated security tools such as Wiz, Checkov, Trivy, and SonarQube into DevSecOps pipelines to enhance vulnerability detection and code quality. Implemented cloud security monitoring, compliance, and governance frameworks using CrowdStrike, HashiCorp Vault, SIEM solutions (Splunk, ELK), and other cloud-native security tools.
Technologies: Terraform, AWS, Kubernetes
Industry: Service Business

• Stanzaliving

Project Description: Implement automated deployment pipelines with SonarQube, Jenkins, and ArgoCD, and manage Dockerized workloads on AWS EKS using Spot Instances for cost optimization. Establish centralized monitoring and logging with Prometheus, Grafana, ELK, and OpenTelemetry, and enable end-to-end tracing for performance analysis. Secure Kubernetes and Docker environments, manage secrets with HashiCorp Vault, and protect workloads using AWS WAF. Migrate applications to private infrastructure and configure Dynatrace for full-stack observability.
Responsibilities: Implemented robust automated deployment pipelines integrating SonarQube with Jenkins and ArgoCD, enhancing efficiency and reliability in the development lifecycle. Established a Dockerized environment on AWS EKS, leveraging Spot Instances to optimize resource utilization. Implemented monitoring and observability solutions for infrastructure, improving real-time visibility into system performance and health. Managed seamless data warehousing on Amazon Redshift, streamlining data management and analysis processes. Set up a comprehensive ELK-based logging solution, enabling effective log management and analysis for improved troubleshooting and debugging.
Technologies: Terraform, AWS, Kubernetes
Industry: Hospitality

EMPLOYMENT HISTORY

• Solution Architect DevOps

Description: Managed multi-cloud infrastructure (AWS, Azure, GCP) Built EKS, AKS, and GKE clusters using Terraform Integrated Azure AD, Azure CNI, Azure Key Vault with AKS Deployed applications using centralized ArgoCD + Helm Created Helm charts for Node.js & Java Set up monitoring (Prometheus, Grafana, Elastic APM) Managed HashiCorp Vault (HA, DR, secrets, policies) Implemented SIEM observability (Splunk, Elastic Security) Designed real-time alerting pipelines (Prometheus Alertmanager, New Relic, Dynatrace) Implemented ML/AI monitoring with Kubeflow, MLflow, OpenTelemetry

• Solution Architect DevOps November-2023 - December-2024

Infra360.io

Description: Managed AWS, Azure, GCP infrastructure Built multi-cluster Kubernetes environments (EKS, AKS, GKE) Implemented cost optimization (reduced infra cost by 70%) Set up ETL pipelines (Apache NiFi, Snowflake, Redshift) Integrated observability (Prometheus, Jaeger, ELK, Dynatrace) Automated AI model containerization & GPU cluster scaling

• SME DevOps April-2022 - October-2023

Stanzaliving

Description: Built secure deployment pipelines (SonarQube, Jenkins, ArgoCD) Implemented Dockerized environments on EKS with Spot Instances Set up logging (ELK) and monitoring (Grafana, Prometheus, OpenTelemetry) Migrated applications to private infrastructure Enhanced security (AWS WAF, secret management)

• TL DevOps February-2020 - March-2022

DOT

Description: Built secure infrastructure with Terraform (AWS, Azure, GCP) Migrated from Azure to GCP GKE Built secure pipelines and compliance processes Automated monitoring with Dynatrace Managed ETL for Snowflake

• DevOps Engineer October-2019 - January-2020

OYO

Description: Maintained 24/7 uptime for infrastructure Implemented Dynatrace monitoring Automated CI/CD pipelines with Jenkins Set up Dockerized environments (EKS, GKE)

• DevOps Engineer January-2018 - October-2019

Cars24

Description: Migrated Java apps to AWS Fargate/ECS Migrated infra from AWS to GCP Set up data warehousing (Snowflake) Automated deployments with GitLab CI/Jenkins

• DevOps Engineer June-2016 - December-2017

LambdaTest

Description: Set up AWS IaaS infrastructure Managed Linux & Windows environments CI/CD using Jenkins Created virtual test environments

CERTIFICATION

• Certified Kubernetes Administrator by CNCF 2020

• AWS Certified Solution Architect Professional by AWS 2020

EDUCATION

• Bachelors degree in Computer Science Engineering from UPTU 2013 - 2017

LANGUAGES

• English - advanced

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