

Sharnitha

Sr. DevOps Engineer

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Experienced Sr.DevOps Engineer with 3.7 years in building CI/CD pipelines, automating infrastructure, and managing Linux-based cloud environments (Azure, AWS). Proficient in Docker, Kubernetes, Terraform, and Python scripting. Skilled in monitoring, troubleshooting, and optimizing performance for high availability. Passionate about adopting modern DevOps tools to streamline software delivery and collaborate effectively with cross-functional teams.

Technical Skills

Cloud Technologies	Azure, AWS
CICD	GitHub Actions, Azure DevOps, Argo CD
Container Technologies	Docker, Kubernetes
IAC	Terraform
Operating System	Linux (RedHat, Ubuntu)
Version Control Systems	Git, GitHub
Package Management	Helm
Service Mesh	Istio
Security and Scanning Tools	Trivy, SonarQube, SonarCloud and Defender for Cloud
Application Monitoring	Prometheus, Grafana and Application Insights

Professional Summary

Aspire Systems, Chennai — DevOps Engineer

Dec 8, 2021 – PRESENT

Working on multiple internal and client-facing projects focused on cloud-native architecture, CI/CD automation, Kubernetes, and cost optimization in Azure and AWS.

Key Responsibilities & Achievements:

- Designed and deployed Kubernetes clusters in EKS for microservices applications.
- Used Helm and Ingress to simplify service deployment and routing.
- Implemented custom pod autoscaling and conducted performance testing with 100+ pod scaling.
- Achieved 30% reduction in build/deploy time by pipeline optimization and caching.
- Containerized .NET and Node.js apps using Docker, optimizing image layers and security.
- Built CI/CD pipelines using GitHub Actions and Azure DevOps YAML for .Net and Node.js.
- Integrated SonarQube, Trivy for quality and security scans.
- Led branching strategy setup and enforced Git best practices.
- Managed Azure resources: App Services, Container Apps, ACR, Key Vault, VNET, Subnet, Route tables, NSG, ASG, Network Watcher, App Insights, Entra ID, Private DNS, and IAM.
- Worked on AWS: EC2, EKS, Route53, CloudFront, SSM, S3, Auto Scaling, Load Balancing, VPC, Subnet, route table, NSG and CloudWatch.
- Proposed a new Azure architecture that cut infrastructure cost by 38.2%.
- Led architecture diagrams, resource sizing, and autoscaling strategies to balance cost and performance.
- Recognized by client for impactful cost-saving initiatives.
- Implemented secure secrets management using Key Vault and IAM.
- Used Microsoft Defender for Cloud for vulnerability detection.
- Configured App Insights, Log Analytics for full-stack visibility.
- Trained junior engineers in Git, CI/CD, Docker, and cloud security.
- Automated Jira workflows with Logic Apps + REST APIs.

EDUCATION

Angel Collage of Engineering and Technology — BE

Mar 2017 - June 2021

Electronics and Communication

CERTIFICATIONS

- Certified Azure Fundamentals (AZ 900).
- Certified Azure Administrator (AZ 104).
- Certified AWS Cloud Practitioner.
- Certified Terraform Associate (003).
- Certified Career Essentials in Generative AI by Microsoft and LinkedIn.