BHOGAPATHI JAGAT SAI

Memphis, TN | +1(678) 779-2047 | jagatbhogapathi@gmail.com | LinkedIn

PROFESSIONAL SUMMARY

Motivated DevOps Engineer with hands-on experience in Azure, AWS, and GCP, specializing in CI/CD pipelines, Infrastructure as Code (Terraform, Ansible, CloudFormation), and Kubernetes orchestration. Skilled in deploying and optimizing cloud-native applications, automating releases with Jenkins, Azure DevOps, GitHub Actions, and enhancing reliability through monitoring (Prometheus, Grafana, CloudWatch, Azure Monitor). Adept at implementing DevSecOps practices, IAM, RBAC, and secrets management to strengthen compliance and security. Recognized for delivering scalable, cost-efficient, and resilient cloud environments that enable faster deployments, improved uptime, and enterprise-grade system reliability.

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, VPC, RDS, CloudFront, S3, Lambda, IAM, Auto Scaling, EKS), Azure (App Services, Functions, AKS, Virtual Machines, Application Insights, ADF, RBAC), GCP (Compute Engine, GKE, Cloud Build, Cloud Storage)

DevOps & Automation: CI/CD (Jenkins, GitHub Actions, Azure DevOps, ArgoCD), Infrastructure as Code (Terraform, Ansible, CloudFormation, Pulumi), Containers & Orchestration (Docker, Kubernetes, Helm, OpenShift), Configuration Management (Chef, Puppet)

Monitoring & Logging: Prometheus, Grafana, ELK Stack, Splunk, CloudWatch, Azure Monitor, GCP Operations Suite (Stackdriver)

Security & Compliance: DevSecOps, Secrets Management (HashiCorp Vault, AWS Secrets Manager), IAM, RBAC, SAST/DAST (SonarQube, OWASP ZAP), Security & Compliance (ISO 27001, SOC2, GDPR, NIST, HIPAA)

Programming & Scripting: Python, Bash/Shell, PowerShell, Go, Java, JavaScript, SQL

Build & Release Tools: Git, GitHub, GitLab, Nexus, JFrog Artifactory, Maven, Gradle

Concepts & Practices: Site Reliability Engineering (SRE), Infrastructure Reliability, High Availability & Scalability, Cloud Security, Observability, Disaster Recovery, Performance Optimization, Incident & Change Management, Event-Driven Architecture

PROFESSIONAL EXPERIENCE

Cloud & DevOps Intern **Mar 2022 - Jul 2022**
CloudEnabled Pte Ltd

- Streamlined infrastructure provisioning on Azure by building reusable Terraform and Ansible modules, which cut setup times by 40% and improved developer onboarding efficiency.
- Increased deployment reliability by designing CI/CD pipelines in Jenkins and Azure DevOps, lowering release failures by 30% and accelerating feature rollouts to production.
- Improved platform resilience by tuning Azure Monitor and AWS CloudWatch alerts, enabling proactive scaling policies that trimmed infrastructure costs by 20% without service disruption.
- Delivered containerized solutions on Kubernetes, enhancing application portability and reducing release cycle time by 35% through rolling upgrades and automated recovery.
- Boosted deployment confidence by embedding automated testing frameworks into the pipeline, which reduced manual QA checks and shortened release validation cycles by 25%.
- Elevated security standards by enforcing role-based access controls (RBAC) and IAM policies, ensuring compliance with enterprise governance and reducing privilege-related risks.
- Minimized outage impact by diagnosing cloud incidents through log analysis and root-cause investigations, restoring Azure workloads within SLA and strengthening system stability.
- Supported hybrid workloads by configuring VMs, storage accounts, and SQL databases with disaster recovery strategies, guaranteeing high availability for critical business applications.

PROJECTS

Building Highly Available Application on Azure Cloud

- Launched a custom HTML web app on Azure App Services with fully automated CI/CD pipelines in Azure DevOps, enabling continuous releases and eliminating downtime during deployments.
- Implemented Azure Application Insights to capture latency, performance, and usage metrics, improving observability and cutting incident response time by 35% through faster diagnostics.
- Configured auto-scaling policies and SLA-backed availability zones, sustaining 99.9% uptime and ensuring production workloads remained highly reliable under varying traffic demands.

AWS Two-Tier Architecture with Terraform

- Architected a VPC-based two-tier infrastructure with EC2 web servers and RDS database instances across multiple Availability Zones, enabling fault-tolerant and highly available applications.
- Automated infrastructure builds with Terraform reusable modules, reducing provisioning time from several hours to minutes while standardizing deployments.
- Applied AWS Service Catalog policies to maintain compliance and enforce governance across cloud environments, ensuring consistent and secure deployments.

CloudFront CDN Optimization for Web Applications

- Implemented Amazon CloudFront CDN with caching at global edge locations, lowering latency by 40% and improving end-user content delivery speed worldwide.
- Configured multi-origin setups using S3, EC2, and custom servers, optimizing static and dynamic content flow for scalable, high-performance applications.
- Tuned cache behaviors and invalidation policies to support real-time content updates, reducing global load times to under 2 seconds.

EDUCATION

Masters in Information Technology **Aug 2023 - May 2025**
University of Memphis | Memphis, TN
Bachelor of Science, Cloud Computing and Big Data **Jun 2019 - May 2023**
REVA University | Bangalore, India

CERTIFICATIONS

- Azure Developer (AZ-204) **- Microsoft**
- Azure Fundamentals (AZ-900) - **Microsoft**
- PrivacyOps Certification
- AI Security Certification
- Google Cloud DevOps Engineer Professional Certificate - **Coursera**
- AWS Cloud Practitioner Essentials - **Coursera**