ASHWIN SOMNATH

DevOps Engineer (DevSecOps / SRE / Cloud Engineer)

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SUMMARY

Results-driven DevOps Engineer with 7+ years of experience in automating software delivery pipelines and managing cloud infrastructures. Proficient in Kubernetes, Terraform, CI/CD, and containerization technologies, with a proven track record of improving scalability, reliability, and security in high-demand environments. Adept at driving process improvements and implementing innovative solutions to streamline deployment times and optimize operational efficiency. Seeking to leverage technical expertise and a collaborative mindset to drive continuous improvement and operational excellence in a dynamic team environment.

SKILLS

- **Version Control Systems** : GitLab, Bitbucket, Azure Repos
- **Continuous Integration & Delivery (CI/CD)** : Jenkins, Azure DevOps Pipelines
- **Containerization & Orchestration** : Kubernetes, Docker, Docker Compose
- **Infrastructure as Code (IaC) & Configuration** : Terraform, Ansible
- **Monitoring & Logging** : Prometheus, Grafana, Elasticsearch, Kibana
- **Cloud Platforms** : Microsoft Azure, AWS
- **Programming & Scripting** : Shell Scripting

WORK EXPERIENCE

DevOps Engineer @ Intelliquity Consulting Services, Pune   **(2023 – 2025)**

- Provisioned & managed cloud infrastructure using IaC provisioning tools to automate Azure Kubernetes Service (AKS) deployments, networking, and security configurations, **optimizing provisioning time by 80%.**
- Designed robust CI/CD pipelines integrating automated builds, security scans, and quality gates, **accelerating feedback loops** and minimizing deployment time by 80%.
- Led the migration from monolithic applications to a microservices architecture, using containerization **improving scalability, fault tolerance, and deployment agility.**
- Enhanced Kubernetes cluster performance by implementing advanced auto-scaling, dynamic pod scheduling, and proactive health checks, **reducing service disruptions by 40%** and operational overhead by 35%.
- Architected cloud-native solutions on Azure to ensure cost efficiency and security best practices while configuring and optimizing networking components (VNETs, peering, ingress controllers, and security groups) **ensuring high availability and low latency**.
- Enforced security best practices by integrating secret management, implementing RBAC, and automating vulnerability scanning, **mitigating security risks by 45%.**
- Integrated centralized monitoring with Prometheus, Grafana, and ELK, **reducing MTTR by 35%** while establishing SLOs and SLIs to proactively elevate system reliability.
- **Tools & Technologies Used:** Microsoft Azure, Azure Kubernetes Service, Docker, Docker-compose, Ingress Controller, Azure Storage accounts, Azure Key Vaults, App Services, Azure Monitor, Log Analytics, Application Gateway, Prometheus, Grafana, Alertmanager, ElasticSearch (ELK), Linux, Shell Script, Helm Charts, Azure Functions, Azure Container Registry, SonarQube, CosmosDB, Jenkins CI/CD

WORK EXPERIENCE

Senior Software Engineer @ Accenture, Hyderabad   **(2017 – 2023)**
- Provisioned enterprise-grade Azure infrastructure using Terraform, automating end-to-end configurations.
- Spearheaded 60+ production releases through streamlined processes, **enhancing delivery time by 80%.**
- Managed and optimized Linux production servers with performance tuning, access control, and shell scripting, **cutting manual efforts by 70% and improving uptime.**
- Designed robust Jenkins CI/CD pipelines with integrated security scans, quality gates, and automated testing, decreasing deployment failures by 70% and **accelerating feedback loops by 60%.**
- Deployed 100+ microservices on Kubernetes using Helm with blue-green and canary strategies to **achieve zero-downtime releases, 99.9% uptime**, and optimal resource utilization via auto-scaling and self-healing.
- Optimized Kubernetes and networking (DNS zones, private endpoints, VNETs, peering, ingress controllers, security groups) to ensure high availability, **boosting system efficiency by 35% while minimizing latency**.
- Established SLOs/SLIs and integrated centralized monitoring with ELK, Prometheus, and Grafana**, lowering incident resolution time by 50%** and MTTR by 60% through automated rollback and intelligent alerting.
- Strengthened cloud security by enforcing least-privilege access, secret management, RBAC, encryption, and network segmentation, **mitigating security risks by 45%.**
- Implemented serverless workflows and containerized deployments with Docker, boosting scalability, fault tolerance, and deployment agility.
- Implemented multi-region failover strategies and introduced chaos engineering practices, **strengthening system resilience by 40%** and reducing operational costs by 30%.
- **Tools & Technologies Used**: Microsoft Azure, Azure Kubernetes Service, Docker, Ingress Controller, Azure Storage accounts, App Services, Azure Monitor, Log Analytics, Application Gateway, Dynatrace, Splunk, Linux, Shell Script, Helm Charts, Apache Webserver, Ansible, Maven, npm, SonarQube, Venafi, Nexus Artifactory, Rainmaker, Jenkins CI/CD.

CERTIFICATIONS

AWS Certified Solutions Architect - Associate   **2022**
ID : G9PYVHJBNNQ1QFK5
Microsoft Certified Azure Fundamentals   **2020**
ID : 5E5KE4-2411FA

EDUCATION

Bachelor of Engineering in Computer Science   **(2013 – 2017)**
Rajiv Gandhi Technical University (RGPV), Bhopal
CGPA : 7.04