ASIFALI SHAIK

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PROFESSIONAL SUMMARY

- DevOps Engineer with 5+ years of experience in CI/CD, cloud infrastructure, automation, and containerization.
- Proven ability to design scalable architectures, optimize deployment pipelines, and enhance system reliability.
- Expertise in AWS, Kubernetes, Terraform, Jenkins, Ansible, and monitoring solutions like ELK, Prometheus, and Splunk.
- Strong experience in automating infrastructure provisioning using Terraform, Ansible, and CloudFormation.
- Hands-on expertise with Docker & Kubernetes, deploying microservices and managing containerized applications efficiently.
- Developed highly available, fault-tolerant, and disaster recovery (DR) strategies in AWS and hybrid cloud environments.
- Designed and implemented secure cloud architectures, enforcing IAM policies, RBAC, and best security practices.
- Optimized CI/CD pipelines using Jenkins, GitLab CI/CD, and GitHub Actions, reducing deployment time by 40%.
- Proficient in monitoring/logging frameworks (ELK Stack, Splunk, Prometheus, Grafana) for centralized logging and analytics.
- Adept at scripting with Python, Bash, and PowerShell, automating complex operational tasks and workflows.
- Experience in database management (MySQL, MongoDB, PostgreSQL, Redis) and backend development using NestJS.
- Strong problem-solving skills and ability to collaborate across teams to drive DevOps culture and best practices.

TECHNICAL SKILLS

- CI/CD: Jenkins, GitLab CI/CD, GitHub Actions
- Containerization & Orchestration: Docker, Kubernetes (EKS, AKS, GKE), Helm, OpenShift Infrastructure as Code (IaC): Terraform, CloudFormation (CFT), AWS CDK
- Configuration Management: Ansible, Chef, Puppet
- Version Control & DevOps Tools: Git, GitLab, Bitbucket, Jira, Maven, Gradle   Cloud Platforms: AWS (EC2, S3, Lambda, CloudFormation, IAM), Azure, GCP   Monitoring & Logging: Prometheus, Grafana, ELK Stack, Splunk, New Relic
- Security & Compliance: HashiCorp Vault, AWS Security Hub, RBAC
- Scripting & Automation: Python, Bash, Shell, PowerShell
- Networking & Load Balancing: NGINX, CDN Integration
- Databases: MySQL, MongoDB, PostgreSQL, Redis

WORK EXPERIENCE

Senior DevOps Engineer , Bcstec Solutions Inc, Canada   **May 2024 - Present**

- Designed and managed Kubernetes (EKS, AKS, GKE) clusters, implementing Helm for deployment automation.
- Developed and optimized CI/CD pipelines with Jenkins & GitLab CI, reducing deployment time by 25%.
- Automated infrastructure provisioning using Terraform & Ansible, ensuring scalable, version-controlled cloud environments.
- Enhanced monitoring and observability using Prometheus, Grafana, ELK, and Splunk, improving incident response time.
- Secured cloud workloads by enforcing IAM policies, RBAC, and AWS Security Hub best practices.
- Configured NGINX for load balancing, improving application availability and response times.
- Developed RESTful APIs with NestJS, integrating PostgreSQL & MongoDB for optimized data storage.
- Streamlined deployments by implementing Dockerized workloads on Kubernetes, ensuring high availability & scalability.
- Automated release processes with Nexus, managing artifact repositories & version control.
- Designed and implemented zero-downtime deployments using Blue-Green and Canary deployment strategies.
- Integrated AWS Lambda for event-driven automation, optimizing workflows and reducing operational overhead.
- Created and enforced Git branching strategies (GitFlow, trunk-based development) to enhance code stability and collaboration.
- Led incident response & root cause analysis (RCA) initiatives, reducing MTTR (Mean Time to Recovery) by 30%.

DevOps engineer, Infosys Private Limited, Hyderabad, India   **Jun 2022 - Dec 2022**

- Built and automated AWS infrastructure with Terraform, optimizing provisioning for EC2, S3, VPC, and IAM.
- Led AWS cloud migrations, reducing operational costs by 20% while enhancing scalability.
- Deployed containerized applications using Docker & Kubernetes (EKS, AKS, GKE), ensuring 99.99% uptime.
- Implemented Kafka, Prometheus, Elasticsearch, and Grafana, improving real-time log aggregation and monitoring.
- Integrated automated testing (Selenium) into CI/CD pipelines, reducing bugs in production by 30%.
- Automated infrastructure with Ansible playbooks, reducing provisioning time by 40%.
- Developed Terraform modules for reusable, standardized cloud infrastructure, improving efficiency across multiple teams.
- Implemented AWS Auto Scaling and Load Balancers, dynamically adjusting resources based on traffic patterns.
- Designed disaster recovery (DR) strategies, ensuring business continuity and compliance with best practices.
- Integrated AWS Config & Security Hub for continuous security monitoring, enhancing cloud governance.

Systems Engineer, Tata Consultancy Services, Hyderabad, India   **May 2019 - Jun 2022**

- Provided technical support for Linux & Windows server environments, ensuring 99.9% uptime.
- Assisted in cloud migrations & deployments, gaining hands-on experience in AWS & Azure.
- Developed automation scripts in Python, Bash, and PowerShell, reducing manual tasks by 35%.
- Managed patching & updates, ensuring system security and compliance.
- Documented system configurations and procedures, improving team knowledge sharing.
- Deployed WebSphere & Tomcat applications, optimizing performance and security configurations.
- Managed CI/CD integrations with GitHub Actions, streamlining build and deployment workflows.
- Implemented role-based access controls (RBAC) and security policies, ensuring compliance with enterprise standards.
- Monitored application performance using Splunk, ELK Stack, and AWS CloudWatch, reducing downtime by 20%.
- Designed and optimized log aggregation strategies, improving troubleshooting efficiency and reducing MTTR.
- Automated infrastructure provisioning using Terraform & Ansible, reducing deployment time and ensuring scalability.
- Worked with networking & security teams to optimize firewall rules, VPN configurations, and AWS security best practices.
- Improved system observability by integrating Prometheus & Grafana, enhancing monitoring and alerting for production workloads.

EDUCATION

**Postgraduation Degree DevOps Cloud
Computing - Lambton College**

Bachelors in Information Technology   **2015 - 2019**

GRIET, Hyderabad, India