**Swachitha**

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**PROFESSIONAL SUMMARY**

DevOps Engineer with 5+ years of experience in **AWS, Azure, CI/CD automation, Kubernetes, and Infrastructure as Code (IaC)**. Skilled in **cloud infrastructure, networking, observability, and DevSecOps**, with proven expertise in **MLOps** for model deployment and lifecycle automation using SageMaker, Databricks, and MLflow. Hands-on with **React, Node.js, and Golang** for building internal DevOps dashboards and automation tools. Strong Agile/Scrum contributor with a track record of improving deployment speed, system reliability, and compliance readiness across healthcare, banking, and enterprise domains.

**CORE SKILLS**

* **Cloud Platforms:** AWS (EC2, VPC, EKS, ECS, Lambda, SageMaker, Route 53, Direct Connect, IAM, CloudFormation), Azure (AKS, Databricks, API Gateway, VNets, Load Balancer, Key Vault, Monitor, Bicep), GCP
* **Operating Systems**: Ubuntu, Linux, Windows, macOS
* **CI/CD & IaC:** Jenkins, GitLab CI/CD, Azure DevOps (YAML pipelines), AWS CodePipeline/CodeBuild, Terraform, Ansible, Maven, Puppet, Chef
* **Containerization Tools:** Docker, Kubernetes (EKS, AKS), Helm, Canary Deployments, Autoscaling (HPA)
* **Networking:** DNS, DHCP, VPC, ACLs, Load Balancers (ALB/NLB), Cisco, TCP/IP, FTP/TFTP, SMTP, LAN/WAN
* **Monitoring and Logging Tools:** Splunk, Grafana, Prometheus, CloudWatch, Datadog, Nagios, ELK/OpenSearch
* **Security & DevSecOps:** SonarQube, Trivy, Artifact Governance (Artifactory, ECR), IAM policies, OAuth2, TLS/SSL, CIS Benchmarks, HIPAA/GDPR compliance
* **Programming & Scripting:** Python, Golang, Node.js, Bash/Shell, PowerShell
* **Frontend (DevOps Tooling):** React, Angular, Bootstrap

**WORK EXPERIENCE**

**Molina HealthCare Long Beach, CA, USA**

***Software Engineer—DEVOPS* Feb 2025- Present**

* Built CI/CD pipelines using **AWS CodePipeline**, **CodeBuild**, and **Jenkins** to automate build, test, and deploy stages for healthcare services, **reducing release time by 30%** and improving deployment reliability.
* Built and deployed **SageMaker models** for patient no-show forecasting and integrated model monitoring into production pipelines, improving resource utilization by **18%**.
* Built internal DevOps dashboards with React and Angular and integrated Grafana/Splunk for correlated logs, metrics, and
* Automated infrastructure provisioning Terraform and CloudFormation to standardize development, staging and production environments for regulated healthcare systems.
* Improved network reliability using AWS Direct Connect, Route 53 DNS failover, Security Groups and network ACLs, reducing latency by 25 percent and improving uptime for critical healthcare applications
* Automated performance and API validation scripts in **Golang and Python**, reducing manual testing and deployment errors.
* Enforced **DevSecOps** by integrating SonarQube and Trivy into pipelines and automating HIPAA compliance checks, yielding **zero audit findings**.
* Developed and secured **REST APIs** in **Java, Python, and Node.js**, integrated with **AWS API Gateway** and **OAuth2 authentication**, enabling HIPAA-compliant access control and safeguarding Protected Health Information (PHI).

**Total Bank Solutions New Jersey, USA**

***Devops Engineer Jan 2024- Dec 2024***

* Orchestrated **AKS clusters** with HPA autoscaling and Azure Monitor, enabling elastic scaling and improving resiliency under peak loads by **40%**.
* Automated reproducible Azure infrastructure with **Terraform/Bicep across VNets**, subnets, NSGs, and load balancers, enabling consistent multi-environment rollouts and reducing provisioning effort by 50%.
* Built **Azure DevOps YAML pipelines** with integrated security scans and artifact governance, reducing deployment lead time by **35%**.
* Developed **Node.js & Golang microservices** for model-serving APIs and DevOps automation, enabling self-service deployments for engineering teams.
* Implemented **container image scanning (Trivy)** and artifact policies in Artifactory/ECR to reduce production vulnerabilities.
* Configured **API Management Gateway** throttling/monitoring and integrated alerts into Datadog/Splunk to improve SLA adherence by **30%**.
* Orchestrated **Helm-based canary deployments** on AKS, ensuring low-risk banking application rollouts with near-zero downtime.

**Wipro Hyderabad, India**

***Devops Engineer* Jan 2019-Aug 2023**

* Built and maintained CI/CD pipelines using **GitLab CI/CD** and **Maven**, enabling smoother integration and faster delivery cycles across diverse development teams.
* Automated infrastructure provisioning with **Terraform** and **AWS CloudFormation**, delivering reproducible environments and reducing manual setup time by 60%.
* Implemented **Puppet manifests** to manage user accounts, enforce compliance policies, and automate configuration drift detection across EC2 instances, enhancing security and audit readiness by **30%**.
* Created Grafana dashboards and Splunk searches for infrastructure metrics and application logs, documented runbooks and alerting playbooks, reducing MTTR by 20% during on-call incidents.
* Assisted with Docker image builds and Kubernetes manifests for Deployments, Services and Ingress, improving rollout reliability and reducing release failures by 20%.
* Designed infrastructure automation workflows with **Chef cookbooks**, integrating them into **CI/CD pipelines** to enforce standardized builds and improve environment stability across AWS workloads.

**Education**

**University of Illinois Springfield** **August 2023 - March 2025**

Master of Science, Management Information Systems **GPA – 3.7**

**CERTIFICATIONS**

**AWS Certified Solutions Architect – Associate Valid till : 10 February 2028**