Yaswanth Reddy Arumulla

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Experience Summary

- 1.6+ years of hands-on DevOps experience designing, automating, and operating secure, scalable AWS infrastructure.
- Built and maintained CI/CD pipelines for Java and Python applications with Jenkins and GitHub Actions, integrating Maven, SonarQube, and automated test stages to speed releases.
- Adopted GitOps practices with Argo CD, delivering declarative, version-controlled Kubernetes deployments and enabling rapid, traceable rollbacks on Amazon EKS.
- Provisioned cloud resources using Terraform, AWS CloudFormation, and Ansible, automating VPC, EC2, RDS, ELB, IAM, and S3 configurations.
- Developed and deployed Python micro-services/APIs, and wrote Python scripts to automate infrastructure tasks, health checks, and reporting.
- Containerized applications with Docker and launched them on EC2, ECS, and EKS; foundational knowledge of Kubernetes architecture, node management, and Helm charts.
- Implemented full-stack observability via Prometheus, Grafana, and AWS CloudWatch, cutting MTTR and improving uptime.
- Led security and compliance efforts by implementing IAM role-based access, S3 versioning & replication, Secrets Manager, and automated backup/recovery procedures.
- Comfortable working with Linux-based systems (Ubuntu/RedHat) and managing application stacks including Tomcat, Apache, and databases like MySQL and RDS.
- Team-oriented engineer with strong communication skills and a proven ability to collaborate across development, QA, and operations teams.

Core Competencies

- **Cloud Platforms:** AWS (EC2, S3, EKS, RDS, Lambda, IAM, VPC, CloudWatch, Glue, Redshift, MSK)
- **CI/CD & GitOps:** Jenkins, GitHub Actions, Argo CD, Helm, Git
- **Containerization & Orchestration:** Docker, Kubernetes, Amazon EKS
- **Infrastructure as Code (IaC):** Terraform, AWS CloudFormation, Ansible
- **Data & Streaming Services:** AWS Glue (ETL), Amazon Redshift (data warehousing), AWS MSK (Kafka)
- **Scripting & Automation:** Python, Bash
- **Monitoring & Logging:** Prometheus, Grafana, AWS CloudWatch, ELK Stack
- **Security & Compliance:** IAM, AWS Secrets Manager, S3 Versioning, RBAC, CloudTrail
- **Configuration Management:** Ansible
- **OS & Servers:** Linux (Ubuntu, RedHat), Apache, Tomcat
- **Collaboration & Leadership:** DevSecOps, Agile Delivery, Team Mentoring, Cross-functional Collaboration

Professional Experience

Lead Devops Engineer | Arealis Intelligent Dataspace Systems Pvt. Ltd. | Hybrid | Pune, Maharashtra, India | June 2025 – Present

Responsibilities:

- Designed and deployed scalable CI/CD pipelines using Jenkins, GitHub Actions, and Argo CD for microservices and ML model deployment on AWS EKS.
- Provisioned AWS infrastructure using Terraform, and Ansible, automating EC2, VPC, RDS, EKS, S3, and IAM configurations.
- Implemented containerization with Docker and deployed Kubernetes workloads using Helm charts, auto-scaling policies, and resource quotas.

- Utilized AWS Glue for ETL workflows and integrated Amazon Redshift for high-volume retail data warehousing and analytics.
- Developed real-time data ingestion pipelines using AWS MSK (Managed Kafka) to handle streaming from ERP, POS, and APIs.
- Integrated monitoring and alerting tools including Prometheus, Grafana, and CloudWatch Logs to enhance infrastructure observability.
- Enforced DevSecOps practices using IAM, Secrets Manager, RBAC, S3 versioning, CloudTrail, and for cloud security and compliance.
- Mentored junior DevOps engineers and collaborated with ML, Backend, and Data Engineering teams for end-to-end project alignment.
- Managed application rollout and disaster recovery planning including RDS snapshots, automated backups, and rollback scripts.
- Led documentation of infrastructure workflows, architecture diagrams, and deployment playbooks for handover and continuity.

DevOps Engineer | aiOak | Remote | Hyderabad, India | June 2024 – June 2025
Responsibilities:
- Built and maintained robust CI/CD pipelines using Jenkins and GitHub, improving release speed and reducing manual deployment errors.
- Automated provisioning and configuration of AWS resources (EC2, S3, RDS, Lambda, VPC) using Terraform and Ansible.
- Containerized applications with Docker and supported basic Kubernetes orchestration for scalable deployments.
- Implemented real-time monitoring using Prometheus, Grafana, and AWS CloudWatch to detect and respond to infrastructure issues.
- Provided 24/7 on-call support for production environments, resolving CI/CD and infrastructure-related incidents to ensure uptime and system reliability.

Software Engineer Intern | Skyline Software Solutions | Ongole, India | June 2021 – August 2021
Responsibilities:
- Contributed to an AI-based OCR automation project to convert handwritten and printed medical transcripts into accurate digital formats.
- Developed Python scripts to automate the OCR pipeline, tune hyperparameters, and validate extracted data against source documents.
- Optimized OCR performance for high-speed image-to-text conversions, reducing processing time from minutes to seconds.
- Performed manual and automated testing to ensure reliability of converted medical records and minimize transcription errors.
- Technologies used: Python, Unix/Linux, OCR tools, and testing frameworks.

Education

Vellore Institute of Technology (VIT), Amaravati	August 2020 - July 2024

Bachelor of Technology in Electronics and Communication Engineering (Embedded Systems) (GPA: 8.23 / 10.0)

Sri Saraswathi Junior College, Ongole	April 2018 - February 2020

Higher Secondary Education (Mathematics, Physics, and Chemistry) (GPA: 8.0 / 10.0)

Sri Surya Vaidyanathan, Ongole	April 2017 - February 2018

Secondary School Certificate (SSC) (GPA: 8.8 / 10.0)

Key Strengths
- Team Player
- Adaptability & Flexibility
- Strong Communication Skills