Niranjan Bhimavarapu

✉ Niranjan.bhimavarapu@gmail.com ⊕ portfolio | 🔗 linkedin | ⌾ github | 🏅 Aws 🏅 GCP

Summary

- DevOps Engineer & SRE with 5+ years of experience specializing in cloud infrastructure management, automation, and system reliability. Skilled in AWS cloud services including IAM, EC2, S3, Lambda, Load Balancer, and CloudWatch for secure and scalable infrastructure operations. Experienced in CI/CD pipeline creation using GitLab and Jenkins, infrastructure automation using Chef and Terraform, and containerization with Docker and Kubernetes. Adopt at monitoring and maintaining high-availability systems using SRE tools like ELK Stack, Grafana, and Dynatrace. Passionate about improving deployment efficiency, reliability, and observability across distributed systems.

Technical Skills

Programming Languages: Python, Bash Scripting, Ruby.
DevOps Tools: Gitlab CI/CD, Jenkins, Docker, Chef, Kubernetes, Terraform, Nexus, SonarQube, JFrog
Database: MySQL, Oracle 10G, MongoDB.
Cloud Services: AWS, GCP.
AWS Services: IAM, EC2, S3, Lambda, VPC, CloudFormation, ELB/ALB, CloudWatch, ECS, ECR, Route53.
GCP Services: Google Cloud Engine, Airflow, Data Proc, Big Query, Big Table, File store, Log Explorer.
Monitoring & Logging tools (SRE): ELK Stack, Grafana, Dynatrace, Splunk, Prometheus, GCP Log Explorer.
Scheduling tools- Control-M, Autosys, AirFlow.

Employment

University of Toronto | Systems admin for DevOps   **May 2022-May2025**

- Deployed and managed XWiki in dev and prod environments, replacing Microsoft Teams documentation.
- Monitored Kubernetes pods' health and status, restarting or scaling them when required to maintain application stability and uptime; handled basic troubleshooting of pods and deployments within clusters
- Built CI/CD pipelines using GitLab for ACE, saving 15–20 minutes of daily manual work (100+ hours/year).
- Monitored and analyzed application performance through **SRE monitoring frameworks** leveraging **ELK Stack, Grafana, and Dynatrace**, proactively identifying and resolving system bottlenecks to maintain service-level objectives (SLOs).
- Managed PostgreSQL instances for internal automation projects, optimizing performance and query reliability.
- Developed GitLab pipelines to deploy across dev/prod environments with testing, enabling zero-downtime rollouts.
- Investigated logs, metrics, and traces using **SRE observability tools (ELK Stack, Dynatrace, Grafana)** to troubleshoot production issues, improve system reliability, and enhance application uptime.
- Created dashboards and configured proactive alerts using SRE observability tools such as ELK (Elasticsearch, Logstash, Kibana) to monitor system health and improve incident response efficiency
- Automated full book ingestion: extraction from .rar files, metadata matching, staging, and loading.
- Implemented FTP-based automation trigger for ingestion pipeline, reducing turnaround time by 1–2 days per batch.
- Configured and maintained datacenter infrastructure, optimizing for efficiency and reliability.
- Automated system configurations using Chef, enhancing operational consistency across platforms.
- Managed the Book Works process, including SFTP receipt, troubleshooting, and portal staging.
- Deployed and supported ArcGIS 11.2, including portal and server configuration.
- Developed network applications tailored to specific organizational needs.
- Authored and updated technical documentation, SOPs, and user guides, improving knowledge sharing.

Cognizant Technologies Solutions | Senior Systems Engineer   **Nov 2017 - Dec 2019**

- Upgrading and decommission the IBM Linux servers.
- Verifying servers and production databases are up and running fine.
- Keeping track of the escalated issues to the reporting manager from time to time. Providing support during server upgrade/change/patch activities.

- Evaluated Service Level failures and worked with the Delivery Teams & Support Team to improve the quality and availability of the production services.
- Ensured the availability, security, recoverability, configuration, capacity, continuity & performance and implementation of any cost-efficient upgrade or improvement according to business value in the Billing & Payments application.
- Evaluated Service Level failures and worked with the Delivery Teams & Support Team to improve the quality and availability of the production services.
- Worked with SMEs to develop 100+ standard operating procedures (SOPs) for different departments, including the Developing team and IT help desk team.

System Engineer
- Solving the IAM issues.
- knowledge of Microsoft technologies, Microsoft Windows OS, Windows servers, Exchange, and Active Directory Infrastructure (DC, DNS, DHCP).
- Provides technical support to the business applications.
- Monitored firewalls, applying regular security patches and managing threat analysis with 99% uptime.
- Provide technical support for Incident Management and Service Request Management to client using ServiceNow IT service management ticketing tool.

Certifications

- AWS Solution Architecture – Professional
- Google Cloud Certified – Associate Cloud Engineer.
- Cognizant certified IT IS Process Space Professional.
- AWS cloud partitioner certificate.
- Cognizant certified ITIL V3 Professional.
- Cognizant certified IT IS Six Sigma Yellow Belt professional.
- Process Space Training.

Education

Lambton College in Toronto	Jan 2020 – Aug 2021
Cloud Computing with Big Data	**GPA:** 3.45 / 4

Aurora Engineering College, India	Aug 2012 – April 2016
B. Tech in Computer Science and Engineering	

Projects

Data Mining| Tech: Python and web scrapping

- A python script that can mine tweets from Twitter in real-time using given keywords.

Data analysis| Tech: Python

- Created a data analysis model for finding trends in customer segment.

Data Engineering | Tech Python

- Implemented Heart Disease Prediction ML model and containerized it using Docker; deployed on GCP Cloud Run for inference testing.
- Automated data ingestion and model retraining scripts via GitLab pipelines, demonstrating CI/CD integration in ML workflows.

API | Tech: API and AWS

- Built and deployed REST APIs and exposed them via AWS API Gateway with authentication and rate-limiting policies.

Kubernetes | Tech: Kubernetes and Docker

- Containerized the services with Docker and deployed them on a Kubernetes cluster (minikube/kind).