Niranjan Bhimavarapu

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

Summary

- Software Engineer for DevOps with 5 years of experience in Linux system administration, infrastructure support, and automation. Strong hands-on experience in managing on-premise environments, with proficiency in server provisioning, disk management, user access control, and production incident handling. Adept in developing and deploying configuration management scripts using Chef, streamlining CI/CD workflows with Jenkins and GitLab pipelines, and maintaining secure environments using RHEL best practices. Currently managing internal book automation projects at the University of Toronto involving FTP/SFTP, shell scripting, and backup job execution. Experienced in using monitoring tools like Nagios to track VM health, disk space, and alerts. Completed the LFCS course on Pluralsight and holds the AWS Certified Solutions Architect – Professional certification.

Employment

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

- Deployed and managed XWiki in dev and prod environments, replacing Microsoft Teams documentation.
- Built CI/CD pipelines using GitLab for ACE, saving 15–20 minutes of daily manual work (100+ hours/year).
- Developed GitLab pipelines to deploy across dev/prod environments with testing, enabling zero-downtime rollouts.
- 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.
- Managed RHEL-based systems: user access, disk management, patching, monitoring (Nagios).
- 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.
- To develop, apply monitoring, workaround techniques, based upon a detailed understanding of the business requirements. Responsible for LINUX boxes, databases and their fallback, failover, and resilience mechanisms.
- Maintained ownership with the issues and services of client, make certain that client received resolution of the issue within the SLA time.

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Oct 2018 - May 2019

Certifications

- Cognizant certified IT IS Process Space Professional
- AWS solution architecture 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 using different classification machine learning such as Logistic Regression, Random Forest.

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).

Technical Skills

Programming Languages: Python, Bash Scripting, Ruby.
DevOps Tools: Gitlab CI/CD, Jenkins, Docker, Chef, Kubernetes, Terraform, Nexus, SonarQube.
Database: MySQL, Oracle 10G, MongoDB.
Cloud Services: AWS, Azure,
Operating Systems: Linux, Windows, Windows Server 2012 R2, Centos.