

# SAJJA SUDHAKARARAO

## SENIOR DEVOPS ENGINEER



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## SKILLS

### Programming Languages:

- Python (Advanced)
- SQL (Intermediate)
- Bash (Intermediate)

### Frameworks & Libraries:

- Flask (Intermediate)
- NumPy (Beginner)
- Pandas (Intermediate)
- Scikit-learn (Beginner)
- Keras (novice)
- Fast API (Intermediate)

### DevOps Tools:

- Docker (Intermediate)
- Kubernetes (Intermediate)
- Jenkins (Intermediate)
- Ansible (Intermediate)
- Terraform (Expert)
- Git (Expert)
- GitHub Actions (Intermediate)
- Bitbucket Pipelines (Intermediate)
- AWS & GCP (Intermediate)

## CERTIFICATIONS

- Terraform Certified Implementation Partner (CHIP).
- AWS Solutions Architect Associate (2025)
- Associate Google Cloud Engineer (2025)

## ABOUT ME

Senior DevOps Engineer with 12+ years of experience in cloud-native solutions (AWS/GCP), infrastructure-as-code (Terraform), and CI/CD pipelines. **Certified in AWS, GCP**, and Kubernetes with a track record of automating processes to reduce deployment times by 40% and manual effort by 30%. Passionate about scalable, secure, and resilient systems.

## WORK EXPERIENCE

### Senior DevOps Engineer | Tech Mahindra | June 2021 – Present | Canada

#### Google Cloud & Multi-Cloud Focus:

- Designed and deployed GKE (Google Kubernetes Engine) clusters with Terraform, optimizing auto scaling and reducing cloud costs by 25% through resource right-sizing.
- Migrated legacy applications to GCP Compute Engine and Cloud Run, improving scalability and reducing on-prem infrastructure costs by 30%.
- Implemented Cloud Build pipelines for CI/CD, integrating with GitHub Actions for hybrid (AWS/GCP) deployments, cutting release cycles by 40%.
- Secured GCP environments using IAM custom roles, Cloud Armor, and VPC Service Controls, reducing vulnerability incidents by 50%.
- Automated infrastructure provisioning across GCP and AWS using Terraform modules, standardizing 200+ resources for cross-cloud deployments.

#### CI/CD & Automation:

- Developed GitHub Actions workflows for automated testing/deployment, reducing manual errors by 60%. (Keep existing achievement)
- Integrated GCP Cloud Monitoring and AWS Cloud Watch for unified observability, improving incident response time by 35%.

### DevOps Engineer | Digital Onus | Jan 2020 – June 2021 | Hyderabad

#### Cloud & Kubernetes:

- Applications developed using mix of technologies (Python, Flask, Fast API, SQL, Pandas, NumPy, and REST) for various clients including EY, Temenos, PMI and QVC Japan.
- Deployed a private AKS cluster (Azure) using Cloud Formation, later adapted similar architecture for GKE in proof-of-concept projects.
- Automated cross-cloud data sync between AWS S3 and GCP Cloud Storage using Python scripts, reducing latency by 20%.

#### CI/CD:

- Built end-to-end CI/CD pipelines with Jenkins, later migrated to Cloud Build for GCP-based projects.
- Designed and deployed a fully automated Jenkins-based CI/CD pipeline for Python/Flask applications, integrating Git, MySQL, and custom Python/Bash scripts, reducing manual deployment effort by 70%.
- Configured multi-stage pipelines (build, test, deploy) with parallel test execution. cutting release cycles from 4 hours to 45 minutes.

EDUCATION

B. TECH (Computer science)  
Jawaharlal Nehru Technological  
University  
2007 – 2011

EXPERTISE

- Strong organizational abilities
- Proficient in report writing and presenting
- Effective time management
- Leadership qualities
- Excellent communication skills
- Focus on process improvement

ACHIEVEMENTS

- Automated quarterly patches for Verizon, reducing manual effort by 50%.
- Designed AWS/GCP-based solutions that cut deployment times by 40% for EY.
- Achieved 50% faster deployments into production for EY customer with a new automation framework.
- Migrated 50+ legacy workloads to GKE (Google Kubernetes Engine), improving scalability and reducing on-prem costs by 40%

WORK EXPERIENCE

**SDET | MobileIron | Aug 2017 – Jan 2020 | Hyderabad**  
**Cloud Testing:**

- My role at MobileIron allows me to engage with various platforms and projects, including MTD (Mobile Threat Defense), Zero Sign-On, and MDM (Mobile Device Management).
- Proficient in all phases of software testing, from gathering requirements to test planning, execution, defect reporting, and closure.
- Responsible for maintaining quality in both on-premises and cloud deployments.
- Identified, documented, and verified numerous software defects across different software solutions.
- Enhanced QA processes by establishing scripting and programming standards, collaborating with the development team to address issues promptly and automate functions.
- Created system documentation like functional summaries, quick start guides, and detailed help systems.
- Developed a Python script to automation MobileIron’s proprietary assembly tool and build a Django web application, the System QA Portal, for internal team monitoring.
- Skilled in AWS Cloud, Chef Server, Linux, Jenkins, Git, Redis, Cassandra and Kafka.
- Conducted End-to-End System Testing and set up Dockers and Kubernetes setups in a test environment.
- Contributed to end-to-end system testing and deployed the Kong Next-generating API platform on Kubernetes.

**Software Engineer II | Millennium Techno soft | June 2013 – Aug 2017**  
**Protocol Testing:**

- Worked on Broadcom’s ASIC family, which powers their top-tier Ethernet switches like the Trident BCM86850 and Dune BCM956960K.
- Hands-on experience with various routing protocols: OSPF, EIGRP, RIP, IGRP, and static routing.
- Proficient in setting up and testing switching protocols, including 801.1x authentication, PVRST LAG, MLAG, STP, and RSTP.
- Utilize shell scripting and Python programming for test automation development.
- Tested Open Standard and SDN functionalities like NETCONF, RESTCONF, and OPENFLOW.
- Skilled in testing service provider features such as Ethernet Linear Protection, EVCs, DOT1AG, DOT3AH, and DOT1AD.
- Configured and implemented security using RADIUS/TATACS.
- Strong understanding of multicasting protocols like IGMP, PIM-DM, PIM-SM, SSM, etc.
- Experience with time-precision protocols testing, including SYNC-E and PTP.
- Proficient in testing Linux distribution and integration, covering testing ARP, DNS, DHCP, TCP, and UDP protocols.
- Expertise in developing test plans, test beds, test execution, bug reporting, verification, and root cause analysis.
- Skilled in Chef and Puppet, with experience in Chef for service installation and device configuration deployment.