

Kshitij Patil

patilkshitij735@gmail.com | +1 7162567615

[github](#) | [linkedin](#)

EDUCATION

Master of Science - Computer Science

University at Buffalo, The State University of New York

Aug 2022 - Dec 2023

Bachelor of Engineering - Computer Science

Smt. Kashibai Navale College Of Engineering

Aug 2016 - Jun 2020

EXPERIENCE

Incalus Inc

DevOps Engineer

May 2023 - Present

Fremont, CA

- Configured a **Kubernetes cluster** from scratch using **Kubeadm**, including setting up the **control plane** and **worker nodes**, resulting in a **30%** reduction in infrastructure costs.
- Leveraged **Terraform** to provision new environments on **AWS (VPCs, subnets, NAT Gateways, ELB, EC2 etc.)** in less than **10 minutes**, resulting in **27%** increase in deployment frequency.
- Implemented **Nginx Ingress Controller** in **Kubernetes**, refining routing strategies and delivering a substantial **20%** boost in application scalability for improved performance.
- Spearheaded **ArgoCD-driven GitOps** workflows, optimizing deployment efficiency by **50%**.
- Integrated **Prometheus** and **Grafana** for monitoring and alerting, reducing downtime by **60%**.

Mckinley Rice

DevOps Engineer

Dec 2021 - Apr 2022

Pune, IN

- Led optimization of **production deployments**, achieved a **35%** speed increase, maintained **99.9%** application uptime using **Kubernetes**, and contributed to the team's success.
- Engineered **CI/CD pipelines** with **GitLab CI/CD**, accelerating deployment cycles by **46%**.
- Achieved a **63%** reduction in **Mean Time to Recovery (MTTR)** by monitoring system logs and utilizing **Python scripts** to identify and resolve potential issues preemptively, preventing outages.
- Automated system tasks and optimized workflows using **Bash scripts**, boosting operational efficiency by **30%**.

Cognizant

Platform Engineer

Nov 2020 - Dec 2021

Pune, IN

- Reduced deployment time of new **microservices** by **45%** through the implementation of testing and deployment processes using **Jenkins, Git, SonarQube, AWS ECR, AWS ECS, and Docker**.
- Devised automation tools using **Terraform**, and **AWS CloudFormation**, reducing manual effort by **43%**.
- Employed **Ansible** for streamlined software provisioning, leading to a **40%** reduction in deployment time.

PROJECTS

End-to-End Jenkins CI Pipeline with SonarQube Integration [Github](#)

- Built a **Jenkins CI pipeline** with stages for **cloning, installing dependencies, linting, unit testing**, generating **coverage reports, SonarQube analysis**, and pushing **Docker images** to Docker Hub with commit ID tags.

Blockchain Network Deployment on Kubernetes [Github](#)

- Deployed a Hyperledger Fabric Permissioned Blockchain Network on a **Kubernetes cluster**, utilizing **Deployments, Jobs, ConfigMaps, Secrets, Persistent Volumes with NFS**, and **NGINX Ingress controller**.

Infrastructure Management with Terraform [Github](#)

- Implemented **Terraform** projects including **AWS EC2 remote provisioning, DynamoDB creation, S3 remote backend setup, secret management**, and **Terraform Workspaces**.

SKILLS

Programming Languages - Go, Python, Bash, Javascript, Groovy

Operating Systems - Linux, Windows

Cloud - AWS-EC2, S3, RDS, ELB, ALB, EKS, Auto Scaling, IAM, VPC, Route53, Lambda, Azure

Infrastructure Management (IaaS) - Terraform, Ansible, CloudFormation, Puppet

Containerization - Docker, Kubernetes, Helm

CI/CD - Jenkins, Github actions, GitLab CI/CD, ArgoCD

Monitoring and Logging - Prometheus, Grafana, ELK Stack, CloudWatch

CERTIFICATIONS

Certified Kubernetes Application Developer (CKAD)

The Linux Foundation

Dec 2023

Certification ID - LF-amlrmw6cjp