

# SHUBH MALHOTRA

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## PROFESSIONAL SUMMARY

Software Engineer (DevOps/SRE) with 5+ years of experience in cloud infrastructure automation, CI/CD, observability, and reliability engineering. Proven record of reducing deployment time by 60%, lowering MTTR by 35%, and cutting cloud costs by 20%. Proficient in AWS, GCP, Kubernetes, Docker, and automation frameworks for scalable, reliable systems.

## EDUCATION

Bachelor of Technology (Computer Science & Engineering), IK Gujral Punjab Technical University 2018 – 2022

## CORE SKILLS

Cloud: AWS (EC2, RDS, Lambda, EKS, CloudFormation, CloudFront, WAF), GCP (VPC, VM, Cloud SQL, Secrets)  
Containers & Infra: Kubernetes, Docker, Helm, IaC CI/CD & Automation: Jenkins, GitHub Actions, Python, Linux  
Monitoring: Grafana, Prometheus, Loki, CloudWatch Tools: Jira, Confluence, Git, Incident Management, Leadership

## EXPERIENCE

### Software Engineer (DevOps) | Superhero Tech Pvt. Ltd., Bengaluru | Jul 2025 – Present

- Engineered Kubernetes (EKS) workloads scaling 50+ microservices with high availability.
- Secured AWS multi-account infrastructure using IAM, WAF, and CloudFormation for 1M+ monthly users.
- Automated Jenkins CI/CD pipelines reducing release time by 50%.
- Implemented observability stack (Grafana, Prometheus, Loki), reducing MTTR by 35%.

### Software Engineer (Senior SRE) | Superhero Tech Pvt. Ltd., Bengaluru | Apr 2022 – Jul 2025

- Administered AWS infra (100+ EC2, RDS, Lambda, CloudFront, EKS, ECR) serving millions of API requests.
- Automated Jenkins pipelines accelerating delivery by 60% and eliminating manual steps.
- Led Blue-Green deployments ensuring zero downtime.
- Optimized scaling policies, reducing cloud spend by 20% (~\$50K annually).

### Software Engineer (SRE) | Treebo Hotels, Bengaluru | Dec 2021 – Apr 2022

- Built Jenkins pipelines integrated with AWS ECS/EC2/S3 reducing manual effort by 70%.
- Developed Grafana & CloudWatch dashboards improving incident detection by 30%.

### Software Engineer (SRE Intern) | Treebo Hotels, Bengaluru | Jun 2021 – Dec 2021

- Automated deployment scripts and monitoring tasks improving consistency by 20%.
- Gained hands-on experience in PostgreSQL, Python scripting, and AWS fundamentals.

## PROJECTS

### Cost Optimization Dashboard for Cloud Infrastructure.

Developed a cost observability platform using Grafana, CloudWatch, and AWS Cost Explorer APIs to monitor and visualize multi-account spend. Automated instance rightsizing recommendations with Python, reducing monthly cloud costs by 25% while improving utilization insights across teams.

### Database Migration Automation Framework.

Built a fully automated Python-based system to migrate relational databases by provisioning new RDS instances, replicating schemas, tables, indexes, and sequences, and leveraging AWS DMS with full load + CDC to ensure continuous sync and zero downtime migrations.

## EXTRA-CURRICULAR ACTIVITIES & LEADERSHIP

- Actively participate in hackathons and programming events; deployed several live projects in current organization.
- Hosted multiple technical events as part of ACM Chapter, Chandigarh Engineering College, Landran.
- Demonstrated leadership in mentoring and cross-team collaboration initiatives.

## CERTIFICATIONS

AWS Educate Cloud 101 | AWS Educate Solution Architect | Python Training (IIT Bombay) | NASSCOM AI