

# AMOL OVHAL

Pune, Maharashtra

Phone: +91 9762949591 | Email: amolovhal999@gmail.com

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## PROFESSIONAL SUMMARY

DevOps Engineer with 3 years 8 months (nearly 4 years) of hands-on experience designing, deploying, and optimizing cloud infrastructure on AWS and GCP. Skilled in Infrastructure as Code (IaC), CI/CD automation, Kubernetes, Docker, Terraform, Jenkins pipelines, and scaling strategies. Expertise in monitoring, cost optimization, secure access management, and release automation, achieving up to 60% cloud cost reduction, 40% faster deployments, and maintaining 99.99% uptime. Familiar with AWS CDK, Azure basics, Git workflows, and enterprise monitoring tools.

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## SKILLS

**Cloud Platforms:** AWS, Google Cloud Platform (GCP)

**Infrastructure as Code (IaC):** Terraform, Ansible, AWS CDK

**Containerization & Orchestration:** Docker, Kubernetes, Helm

**CI/CD Tools & Automation:** Jenkins (declarative & scripted), Packer, Git, Artifactory, automation pipelines

**Monitoring & Logging:** Prometheus, Grafana, Thanos, ELK/EFK, AlertManager, OpsGenie, CloudWatch

**Scripting & Programming:** Shell scripting, Python

**Databases:** MySQL, CloudSQL, Elasticsearch, Redis

**Scaling:** GKE autoscaling, DAU/RPS scaling strategies

**Security & Access Management:** Teleport, SSH key management, User Management System

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## PROFESSIONAL EXPERIENCE

### Dream Game Studios – DevOps Engineer

*May 2023 – Present*

- Designed and Established scalable cloud infrastructure, handling 100 RPS pre-launch and scaling to 1M DAU / 10K RPS during IPL, Champions Trophy, World Cup, and Asia Cup events, maintaining 99.99% uptime.
  - Architected multi-region GCP infrastructure with Terraform IaC, automating provisioning of VPCs, subnets, Cloud NAT, firewall rules, and private service access across 6+ environments (dev, qa, stage, load, liveops, prod).
  - Implemented secure networking and access architecture, including VPC peering, Cloud Armor DDoS protection, Cloud DNS service discovery, and Teleport-based secure production access, reducing unauthorized access by 20%.
  - Provisioned 20+ containerized services via Kubernetes and Helm, improving deployment throughput by 35% and maintaining release consistency across multiple monthly and high-profile event releases.
  - Developed reusable Terraform modules to provision GCP service accounts and IAM roles, seamlessly integrated with Jenkins pipelines to automate user management workflows, enabling dynamic role assignment by simply inputting email IDs and required roles through the pipeline.
  - Migrated Jenkins from Kubernetes to VM-based architecture with Load Balancer and Instance Groups, increasing pipeline reliability by 30%.
  - Engineered Jenkins data pipelines to:
    - Sync production → stage → liveops environments, eliminating 1–2 hours of daily/weekly manual data updates.
    - Scale infrastructure dynamically based on DAU input, using metrics from Mixpanel, GCP monitoring, and Prometheus, ensuring adequate RPS support. infrastructure automatically based on Mixpanel, GCP monitoring, and Prometheus metrics — supporting predictable RPS for any DAU input.
    - Scale down production infrastructure during off-peak hours and restore automatically, optimizing costs.
  - Developed a dynamic cost monitoring system using BigQuery and Jenkins, generating daily service-level cost reports, calculating delta and percentage changes, and sending Slack alerts on threshold breaches, reducing cloud spend by 7%.
  - Automated database backup and restore workflows across 5+ CloudSQL instances, including failure handling and status monitoring.
  - Orchestrated Redis Cluster with custom autoscaler (Poller & Scaler) to maintain high availability and optimize resource utilization.
  - Integrated monitoring and alerting, leveraging Prometheus, Grafana, Thanos, and AlertManager, covering infrastructure components and services, with Slack alerts for real-time response.
  - Deployed Agones with matchmaking services for private and public multiplayer game servers.
  - Streamlined Helm-based CI/CD deployment processes, reducing rollback incidents by 25%.
  - Optimized reporting pipelines, producing daily, weekly, and monthly metrics dashboards, saving 2 hours/day of manual effort.
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## **Opstree Solutions @ Trademo – DevOps Engineer**

*Feb 2022 – Jan 2023*

- Spearheaded 70% of infrastructure provisioning with Terraform on AWS, reducing manual errors by 40%.
- Built CI/CD pipelines using Jenkins and Packer, decreasing deployment time by 40% for 15+ applications.
- Supervised cloud deployments for multiple frontend and backend services, ensuring 99.9% uptime.
- Optimized Prometheus monitoring and alerting, optimizing infrastructure utilization and reducing costs by ₹600k annually.
- Automated bastion server access via Jenkins, reducing onboarding time for new engineers by 70%.

## **Opstree Solutions – DevOps Trainee**

*Oct 2021 – Jan 2022*

- Created utilities for file, user, and process management, enhancing operational efficiency by 25%.
  - Deployed high-availability EC2 + ALB setups using Bash scripting, improving system resilience by 30%.
  - Integrated Ansible roles with Jenkins for configuration management, reducing configuration errors by 20%.
  - Delivered distributed workloads using Docker containers orchestrated with Kubernetes and AWS, achieving 99.9% uptime.
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## **PROJECTS**

### **Spring Boot Application Deployment on AWS Cloud**

- Delivered a full-stack employee management web app using AWS (VPC, EC2, Route53, ASG, ALB, CloudWatch, SNS, RDS), Terraform, Ansible, Maven, Tomcat, Nginx, achieving 100% uptime and scalable infrastructure for 200+ users.

### **Terraform Modules for AWS Services**

- Engineered 10+ reusable Terraform modules for VPC, Subnets, ALB, EC2, NAT Gateway, Route53, Security Groups, and Route Tables, accelerating infrastructure

deployment for 5+ engineering teams.

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## EDUCATION

### **Bachelor of Engineering (Computer Science)**

Savitribai Phule Pune University

*First Class with Distinction*

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## CERTIFICATIONS & COURSES

- **Linux Administration**  
*Udemy* | [Certificate](#)
- **Jenkins, From Zero to Hero: Become a DevOps Jenkins Master**  
*Udemy* | [Certificate](#)
- **AWS Certified Solutions Architect – Associate**  
*Udemy* | [Certificate](#)