

# Amol Tribhuwan

Shivajinagar – Pune

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## Professional Summary

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Results-driven Associate DevOps Engineer with 1+ year of hands-on experience designing and deploying scalable cloud infrastructure across multi-cloud environments (AWS, Azure, GCP). Proven expertise in containerization, CI/CD automation, infrastructure-as-code, and on-premises infrastructure management. Skilled at implementing event-driven deployments, security hardening, and monitoring solutions that enhance system reliability and reduce operational overhead.

## Technical Skills

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**Cloud Platforms:** Amazon Web Services (AWS), Google Cloud Platform (GCP), Microsoft Azure, EC2, S3, RDS, IAM, VPC, Auto Scaling, Load Balancing

**Container & Orchestration:** Docker, Kubernetes, Helm, Argo CD, Argo Events, microservices architecture

**DevOps & Automation:** GitHub Actions, Jenkins, Terraform, Ansible, Git, CloudBuild

**Infrastructure & Networking:** Proxmox VE, NGINX, Keepalived (HA mode), SMB Share, VPC, Subnets, firewalls

**Scripting & Programming:** Shell Scripting, Python, YAML, Bash

**Monitoring & Logging:** CloudWatch, Dozzle, Uptime Kuma, centralized logging, alerting, runbook creation

**API Gateway & Proxy:** Envoy Proxy

**Linux Administration:** System administration, Cron jobs, daemon management, security hardening

## Professional Experience

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**Kanaka Software**

*Associate DevOps Engineer*

**Pune**

*August 2024–Present*

- **Multi-Cloud Infrastructure Management:** Architected and provisioned AWS, Azure, and GCP infrastructures for production pipelines with compliance to security specifications, reducing deployment time by 40%
- **CI/CD Pipeline Automation:** Designed and implemented GitHub Actions and Cloud Build pipelines for automated testing, linting, containerization, and deployment of microservices with zero-downtime rollouts
- **Self-Hosted CI/CD Infrastructure:** Deployed and maintained self-hosted GitHub Actions runners and on-premises test servers, enabling secure, firewall-compliant workflows with IP-based access control
- **Container Security & Hardening:** Integrated automated vulnerability scanning, container image signing, and Python Dockerfile optimization, reducing image sizes by 35% and improving deployment speed
- **Event-Driven Deployment Architecture:** Implemented Argo Events for triggering automated, zero-downtime deployments based on event conditions, enhancing deployment reliability and reducing manual intervention
- **Monitoring, Logging & Incident Response:** Established centralized logging infrastructure (Dozzle, Uptime Kuma, CloudWatch), created incident response runbooks for on-call rotations, and decreased mean time to resolution (MTTR) by 30%
- **Microservice Architecture Implementation:** Deployed containerized applications using VPC and subnet segmentation, improving application scalability and resource isolation

## Certifications & Professional Development

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**Fortune Cloud Technologies**

*Master in Cloud Architect*

**Pune**

- Advanced expertise in cloud infrastructure design and implementation
- Hands-on proficiency with AWS services (EC2, S3, RDS, IAM), load balancing, and Auto Scaling
- Microservice architecture design and deployment using containerization
- Infrastructure automation and infrastructure-as-code practices
- Cloud backup, disaster recovery, and scaling strategies

## Education

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| <b>Padmashri Vikhe Patil College of Arts, Science and Commerce</b><br><i>Bachelor of Science in Computer Science</i> | <b>Pravaranagar, Loni</b><br><i>July 2023</i> |
| <b>New English School and V.L.D.P. Jr. College</b><br><i>Higher Secondary Certificate (HSC)</i>                      | <b>Puntamba</b><br><i>2020</i>                |
| <b>Dynanamrut Madhyamic Vidyalaya</b><br><i>Secondary School Certificate (SSC)</i>                                   | <b>Rampurwadi</b><br><i>2018</i>              |

## Achievements & Awards

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**2023: First Prize – Low-Cost Oscilloscope Project:** Innovative design and implementation of cost-effective measurement instrument

## Languages

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English (Professional Proficiency), Hindi (Professional Proficiency), Marathi (Native Proficiency)