

# Prathamesh Omprakash Inde

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## PROFESSIONAL SUMMARY

Platform Engineer with 3+ years of experience designing, automating, and operating cloud-native infrastructure across Google Cloud Platform (GCP), AWS, Azure, and Snowflake. Experienced in Platform Engineering, DevOps, Site Reliability Engineering (SRE), Kubernetes, Terraform, and CI/CD automation supporting production AI/ML platforms. Built and operated infrastructure for 6+ enterprise AI applications, implementing zero-trust identity, GPU-enabled Kubernetes clusters, observability, and GxP / 21 CFR Part 11 compliant platforms. Reduced deployment time by 70%, automated over 80% of operational tasks, and improved platform reliability through zero-downtime deployments.

## TECHNICAL SKILLS

**Cloud:** Google Cloud Platform (GCP), Amazon Web Services (AWS), Microsoft Azure, Snowflake  
**Containers & Orchestration:** Kubernetes, Google Kubernetes Engine (GKE – Autopilot & Standard), Amazon Elastic Kubernetes Service (EKS), EKS Fargate, Docker, Snowpark Container Services (SPCS), gVisor  
**Infrastructure as Code:** Terraform  
**Deployment & Configuration:** Helm, Kustomize, Skaffold  
**CI/CD & DevOps:** GitHub Actions, GitLab CI/CD, Jenkins, OIDC Workload Identity Federation  
**Networking:** VPC, VPC Peering, Private GKE, Cloud NAT, Service Networking, Private DNS, Internal Load Balancer, Cloud Armor, SSL/TLS  
**Security:** IAM, RBAC, OIDC Workload Identity Federation, Binary Authorization, Trivy, Wiz, SonarQube, Snyk, Nessus, Google Secret Manager  
**Observability & Monitoring:** Google Cloud Monitoring, Cloud Logging, Amazon CloudWatch, Horizontal Pod Autoscaler (HPA), Pod Disruption Budgets (PDBs), Alert Policies  
**Databases & AI Platforms:** Snowflake, PostgreSQL, Firestore, BigQuery, Redis (MemoryStore), Milvus, Qdrant, Google Cloud Storage (GCS)  
**Programming & Automation:** Python, Bash, TypeScript, Node.js

## WORK EXPERIENCE

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| <b>Platform Engineer</b><br><i>Quantiphi</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Jan 2023 – Present<br><i>Mumbai, India</i>    |
| <ul style="list-style-type: none"><li>Progressed from Platform Engineering Intern to Platform Engineer, designing, deploying, and operating cloud-native infrastructure supporting 8+ enterprise AI/ML platforms across GCP, AWS, and Snowflake</li><li>Designed, deployed, and managed production Kubernetes platforms using GKE (Autopilot &amp; Standard), Amazon EKS, and Snowpark Container Services (SPCS) to support scalable AI/ML workloads</li><li>Developed reusable Terraform modules to provision Kubernetes clusters, networking, IAM, databases, monitoring, and security across multiple production environments</li><li>Built GitHub Actions and GitLab CI/CD pipelines with automated validation, security scanning, Terraform planning, and multi-environment deployments, reducing deployment time by approximately 70%</li><li>Implemented OIDC Workload Identity Federation, eliminating long-lived cloud credentials and strengthening cloud security through workload identity</li><li>Integrated Trivy, Wiz, SonarQube, Binary Authorization, Secret Manager, and vulnerability scanning into CI/CD pipelines to improve application security and compliance</li><li>Engineered ephemeral Kubernetes preview environments, reducing environment provisioning time from over 2 hours to approximately 3 minutes</li><li>Designed secure cloud networking using Private GKE, VPC Peering, Cloud NAT, Private DNS, Internal Load Balancers, Cloud Armor, and SSL/TLS</li><li>Built GPU-enabled Kubernetes environments using NVIDIA T4, L4, and A100 GPUs for AI/ML training and inference workloads</li><li>Improved platform reliability by implementing Horizontal Pod Autoscaler (HPA), Pod Disruption Budgets (PDBs), rolling deployments, monitoring dashboards, and zero-downtime deployment strategies</li><li>Delivered GxP / 21 CFR Part 11 compliant infrastructure for regulated healthcare and life sciences applications</li></ul> |                                               |
| <b>Software Engineer Intern</b><br><i>Advaa Health &amp; Cancard Inc.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Mar 2022 – Feb 2023<br><i>Canada (Remote)</i> |

- Developed and maintained Angular and TypeScript modules for healthcare and enterprise applications, integrating REST APIs with AWS-hosted backend services
- Built serverless backend services using AWS Lambda, API Gateway, DynamoDB, and CloudWatch, enabling scalable, event-driven application functionality
- Collaborated on feature development, debugging, production support, and CI/CD workflows; automated previously manual setup processes, improving deployment reliability and application quality
- Worked closely with cross-functional teams to deliver secure, responsive, and user-friendly healthcare applications with Amazon CloudFront integration, reducing application latency by 50%

## CERTIFICATIONS

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Google Cloud Certified Associate Cloud Engineer  
AWS Certified Cloud Practitioner  
Microsoft Certified: Azure Fundamentals  
GitHub Foundations  
Snowflake SnowPro Core Certification  
Oracle Cloud Infrastructure 2023 Certified Foundations Associate  
Oracle Cloud Infrastructure 2023 AI Certified Foundations Associate

## AWARDS & PUBLICATIONS

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**Quantiphi Galactic Award** – Q3 2025  
**Quantiphi Unsung Hero Award** – H1 2025  
IEEE Publication: *A Blockchain-Based Approach for Food Supply Chain Management*  
La Trobe University Research Grant Recipient

## EDUCATION

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| <b>Pimpri Chinchwad College of Engineering</b><br><i>Bachelor of Engineering in Information Technology</i> <ul style="list-style-type: none"><li>• CGPA: 8.99</li></ul> | Pune, India<br>2019 – 2023 |
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