

PRATIK THAKARE

Cloud Engineer

thisguy@pratikthakare.com | +919867090190 | Mumbai, India

GitHub | Portfolio | Blog | Stack Overflow | LinkedIn

SUMMARY

Cloud & Software Engineer with 5+ years of experience optimising infrastructure, improving reliability, and building scalable backend, production, and automation systems. Strong track record in reducing cloud costs, enhancing performance and observability, and delivering secure integrations across fintech, analytics, and SaaS products. Skilled in AWS, GCP, Terraform, and modern DevOps/SRE tooling.

EXPERIENCE

FinLearn Academy

Cloud Engineer

Mumbai, India (Hybrid)

February 2024 - Present

- Optimised cloud infrastructure using instance sizing, appropriate instance types, and performance benchmarking with Grafana k6, **reducing compute costs by ~52%** and saving **~\$4,800 annually**
- Improved **production system observability, monitoring, and alerting**, increasing uptime to **99.5%** using OpenTelemetry, enhanced logging, and real-time Slack alerts
- Pioneered the successful server **integration with Axis Bank**, India's fifth-largest bank by market capitalisation, ensuring **secure, highly available system integration**
- Acted as the **primary owner of production infrastructure**, handling off-hours incident response, troubleshooting, and recovery to maintain system reliability
- Led **incident response and root cause analysis** for a critical 7-hour production outage using CloudWatch logs, system health checks, and AWS Support, restoring services in **~3 hours**

Click Merito

Product Engineer

Mumbai, India

June 2023 - December 2023

- Designed and operated **scalable backend and serverless production workflows**, focusing on automation, reliability, and performance optimization to reduce processing time by **~35%**
- Built and maintained **production-grade APIs and data services** using Nest.js and PostgreSQL, focusing on performance tuning, query optimization, and reliability for analytics-heavy workloads
- Improved **operational visibility and monitoring** by building a self-hosted feature-adoption tracking and reporting pipeline, enabling accurate insight into product usage trends

The Homework App

DevOps Engineer Intern

Bengaluru, India (Remote)

June 2022 - Aug 2022

- Improved CI/CD pipeline efficiency, **reducing build time by ~55%** and **build size by ~45%**, using AWS CodeBuild local builds and S3 caching
- Built a **monitoring and alerting (ChatOps) system** using Graylog, AWS SNS, Slack, and AWS Lambda, reducing incident response time by **~40%**

MyChoice Wellness

Systems & Software Engineer

Mumbai, India

February 2021 - May 2023

- Led **end-to-end infrastructure and production systems ownership**, including monitoring, incident response, and uptime management, ensuring **~99%** availability across multiple branches
- Designed and integrated **secure access-control and operational systems** (RFID, third-party services), automating verification workflows and reducing administrative overhead by **~40%**

Devomark Enterprises

Full-stack Engineer

Mumbai, India

May 2019 - January 2021

- Architected and operated **scalable production backend services and infrastructure**, including databases and APIs, automating **~70%** of core workflows with a focus on reliability and performance

- Built **real-time monitoring and alerting dashboards** for operational and IoT-driven systems using WebSockets, improving system visibility by **~60%** and reducing critical response time by **~35%**

EDUCATION

Mumbai University

Bachelors, Computer Engineering

GPA: 8.6

Mumbai, India

February 2021 - May 2023

Babasaheb Gawde Institute of Technology

Diploma, Computer Technology

Percentage: 94.8%

Mumbai, India

September 2017 - November 2020

PROJECTS / OPEN-SOURCE

OwnDB | [Link](#) | [Video](#)

Typescript, PostgreSQL, NextJS, Vault, Shell

- **System Design:** OwnDB is a PostgreSQL provisioning and management system for self-hosting databases without feature loss or added operational overhead.
- **Capabilities & Security:** Supports provisioning, backups and restores, updates and patching, and safe destruction, with secure secret management powered by Vault.
- **Impact:** Achieved up to **1.9x cost savings compared to AWS RDS** while increasing operational control and preserving security and reliability.

Sight Alert | [Link](#)

Python, Shell, Dockerfile

- SightAlert is a video-based monitoring system that combines minimalistic visualization with Slack notifications to detect events when a person and a car appear together within a defined region.

CERTIFICATIONS

- AWS Certified Developer - Associate - **Amazon Web Service**
- HashiCorp Certified: Terraform Associate (003) - **HashiCorp**
- Google IT Support Specialization - **Coursera**

SKILLS

Programming Languages	Go, Python, JavaScript, TypeScript, HCL
Cloud & Infrastructure	AWS, GCP, Terraform, Ansible, Docker, Linux, Nginx, Ansible
CI/CD & DevOps	Git, GitHub, GitHub Actions, GitLab, Firebase
Backend Frameworks	FastAPI, Nest.js, Express.js, Flask, Chi, Socket.IO, Fastify
Observability & Ops Tools	CloudWatch, Graylog, OpenTelemetry, Slack
Databases	MongoDB, PostgreSQL, MySQL

ADDITIONAL

- Speaker, MumPy Tech Event: Delivered a talk demonstrating how WebAssembly enables Python execution in web environments and showcasing real-world use cases and performance insights
- Technical Head, TSEC CodeStorm: Directed a team to organise 10+ technical events, led website development, maintained technical documentation, curated hackathon problems, and coordinated judges/mentors
- Mentor, TSEC CodeCell Hackathon: Offered real-time technical guidance to hackathon participants, troubleshooting and optimising solutions across multiple tech stacks
- Research Paper: "Design and Implementation of an E-Commerce Website Using Django and React," International Research Journal of Engineering and Technology (IRJET), Vol. 7, Issue 1, 2020
- Volunteering: Taught English and designed curriculum for underprivileged children at Our Lady's Home in Mumbai, India