

# Parth Bhardwaj

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## SUMMARY

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Computer Science undergraduate with hands-on experience in cloud infrastructure, containerization, and backend systems using Go and Python. Built and deployed production-like environments using Docker, Kubernetes, AWS (EC2, S3), and CI/CD pipelines via GitHub Actions. Experienced in designing scalable, distributed systems with a focus on reliability and automation. Familiar with observability principles and eager to apply SRE practices in monitoring, alerting, and incident response within security-focused infrastructure.

## EDUCATION

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**CGC Landran**, Mohali | Sep 2023 – Present

*Bachelor of Technology in Computer Science and Engineering*

**SCR Public School**, Gurugram, Haryana | 2021 – 2022

*Higher Secondary Education*

## CERTIFICATIONS

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- [AWS Academy Cloud Architecting](#)
- AWS Cloud Practitioner Essentials

## PROJECTS

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### Massive Golang Microservices Platform

- Built scalable microservices using Go, GraphQL and gRPC for inter-service communication.
- Developed Account, Catalog and Order services with PostgreSQL and Elasticsearch for data management and fast search.
- Containerized with Docker, applied security hardening and distributed design for production readiness.

### APN Codix — Full-Stack Production Platform

- Deployed containerized stack on Linux VPS using Docker and Nginx with HTTPS via Let's Encrypt.
- Built CI/CD pipelines with GitHub Actions and improved reliability through rate limiting and secure backend controls.
- Managed PostgreSQL-backed services using Prisma with scalable API design.

### Infrastructure Monitoring Stack — Prometheus & Grafana

- Built Dockerized observability stack using Prometheus and Grafana to monitor a Go app via /metrics endpoint.
- Configured scrape jobs, dashboards for request rates and error counts, and alert rules for incident detection.
- Deployed via Docker Compose for a reproducible, production-like monitoring environment.

## TECHNICAL SKILLS

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**Programming Languages:** Go (Golang), Python, Bash

**Backend Engineering:** RESTful APIs, Microservices Architecture, API Authentication (JWT), Middleware, CRUD Operations, Database Schema Design, Error Handling & Logging

**Databases:** PostgreSQL, MongoDB

**Cloud & DevOps:** AWS (EC2, S3, CloudWatch), Docker, Kubernetes, Terraform, CI/CD (GitHub Actions)

**Monitoring & Observability:** Prometheus, Grafana, Metrics Collection, Alerting, Log Management

**Developer Tools:** Git, GitHub, Linux CLI, Postman

**Core Concepts:** Data Structures & Algorithms, System Design, Distributed Systems, SRE Principles

## ADDITIONAL INFORMATION

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- [Share learnings publicly on X \(@Parthbhardwaj95\)](#)
- Interests: Chess, financial markets, applied AI systems.