

Aarav Mehta

Software Engineer | Backend systems and platform reliability

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PROFILE

Software engineer with five years of experience building Python services and cloud platforms. Improved reliability, deployment speed and operating visibility for products serving business customers.

SKILLS

Python, FastAPI, PostgreSQL, AWS, Docker, Kubernetes, Terraform, REST APIs, observability, system design

EXPERIENCE

Software Engineer — Northstar Systems | 2023–Present

- Reduced API p95 latency from 480 ms to 210 ms by profiling database access and introducing indexed query paths.
- Built deployment health checks and rollback automation that reduced failed-release recovery from 35 minutes to under 10 minutes.
- Mentored three engineers and documented service ownership, on-call expectations and incident-review practices.

Associate Software Engineer — Harborline Digital | 2021–2023

- Developed eight authenticated REST endpoints used by customer-support and billing workflows.
- Added contract and integration tests that raised critical-service coverage from 61% to 84%.

SELECTED PROJECTS

Open-source queue monitor: Created a small Python service that reports queue lag and worker health; documented installation, alerts and failure behavior.

EDUCATION

B.Tech, Computer Science — Example Institute of Technology, 2021