

Rohak Savani

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Summary

Software Engineer specializing in high-concurrency backend systems, performance engineering and site reliability. Experienced in API optimization, distributed systems' latency management and backend development. Proven ability to architect resilient and high-availability services and lead cross-functional projects across timezones.

Skills

Languages: Python, JavaScript, TypeScript, C#.

Frameworks & Libraries: Django, Express.js, Next.js, ASP.NET.

Databases: PostgreSQL, MongoDB, Redis, SQLite, InfluxDB.

Infra & DevOps: Linux, Bash, AWS, Jenkins, Docker, Kubernetes.

Observability: Dynatrace, AppDynamics, Grafana.

Miscellaneous: Antigravity IDE, Git, REST APIs, Postman, JMeter, NeoLoad.

Professional Experience

Technical Consultant – Freelancer

Mumbai, India | Jul 2025 – Present

Backend Hardening, Automation Pipelines and Technical Audits

- Audited an e-commerce platform (WordPress, Odoo) for misconfigured data exposure and common web vulnerabilities (XSS, CSRF, SQLi), delivering **hardened configuration recommendations**.
- Designed an automated invoicing pipeline (*n8n, Tesseract OCR*) processing **500 emails/month**, eliminating manual data extraction bottlenecks.

Quality Engineering Analyst – Accenture

Mumbai, India | Jul 2022 – Dec 2024

Performance Engineer and SRE for a Global Consumer Electronics Leader

- Independently conducted a feasibility study and implemented a real-time performance improvement recommendation system (*Python, TypeScript, WebPageTest, Sitespeed.io*), cutting the **delivery timeline by 50%** (from 6 months to 3 months).
- Optimized API latency across a complex tech stack (*SAP, DB, Gateway, microservices, vendor platforms*) serving **200k visitors and 20k orders/hr** at peak, by conducting deep-dive root cause analysis that resulted in a **30% increase in throughput** (from 40k to 52k API calls/hr).
- Collaborated on a team-wide migration from *JMeter* to *NeoLoad*, **modernising the testing infrastructure** and enabling the **automation** capabilities, with improved **scalability** and **observability** as additional gains.

Intern – MICM

Mumbai, India | Aug 2021 – Dec 2021

Growth Training Program Trainee

- Assisted in delivering **ERP and CRM solutions** to leading academic institutions. Programmed functional modules using *C#, ASP.NET* and *Entity Framework* while ensuring alignment with distributed system standards.
- Collaborated in a 4-person team to develop a **standalone PoC** for a core subsystem, demonstrating viability for integration into the main enterprise platform using *Agile methodologies* and *modular programming*.

Projects and Certifications

AWS CLF-C02 (CCP) – Amazon

[Certificate](#) (Valid: Jan 2029)

Comparative CMS Architectures – Research Project | Django, Express.js

[Source](#)

Developed parallel full-stack implementations of a content management system in both *Express.js* and *Django* to evaluate framework-specific middleware scalability and ORM efficiency for high-load scenarios. Findings and trade-offs are documented in the source.

Deterministic Credential Retriever – CLI Tool | Python, argparse, hashlib

[Source](#)

Architected a **stateless** and **logless** deterministic password fetcher utilizing *recursive and multi-staged hashing and salting* using **SHA3-256**. Eliminates the need for password storage. Applied **Zero Trust Model (ZTM) principles** and enforces that **sensitive data is non-persistent**, thus *mitigating risks of database leaks or credential harvesting*.

Security+ – CompTIA

In Progress

Education

Bachelor of Science, Computer Science – Mithibai College, University of Mumbai

CGPA: 8.13 | Jul 2019 – Apr 2022