

Hitesh Sadhwani

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EXPERIENCE

E2E Cloud (E2E Networks)

May 2025 – Present

Software Engineer (Nov 2025 – Present) | Software Engineering Intern (May 2025 – Nov 2025)

Delhi, India

- **Internal Revenue & Cloud Analytics Platform** | *Python, FastAPI, FastMCP, React, TypeScript, MySQL*
 - * As part of the Applied AI team, built an internal full-stack analytics platform and MCP server (46 tools, 3 resources), replacing manual workflows with 100% accurate, real-time reporting for 50+ stakeholders.
 - * Shipped an interactive dashboard enabling live drill-down from total company revenue to individual line items (GPU hours, SKUs) with zero discrepancies against billing sources in 6+ months of production.
 - * Designed “slice and dice” analytics filtering \$10M+ in monthly revenue across 15+ dimensions (product, GPU type, customer, currency); optimized queries to load 2+ years of billing history in <2 seconds.
 - * Automated revenue reconciliation across prepaid, postpaid, and invoice sources, automatically catching billing errors and saving the finance team 100+ hours per quarter.
 - * Engineered real-time cloud inventory dashboards for CPU/GPU capacity, customer allocation, and revenue potential.
 - * Secured platform with strict RBAC, OTP login, and comprehensive audit logging; established CI/CD with >90% test coverage.
- **Open Source Cloud CLI (e2ectl)** | *TypeScript, Node.js, Commander, Vitest, CI/CD*
 - * Pitched and bootstrapped E2E Cloud’s open-source CLI from idea to production, pairing it with the `use-e2e-cloud` agent skill to empower customers to provision cloud infrastructure using natural language.
 - * Built full management capabilities for Nodes (VMs), VPCs, Reserved IPs, Volumes, and Security Groups with strict RBAC.
 - * Established repository architecture, CI/CD, contribution guidelines, and agent-friendly docs with >90% test coverage, enabling rapid extension for DBaaS and Load Balancers.
- **Load Balancer as a Service (LBaaS)** | *Django, HAProxy, Ansible, Prometheus, Zabbix*
 - * Took complete ownership of the LBaaS ecosystem (backend, escalations, competitor research), reducing daily tickets to near zero.
 - * Shipped end-to-end SSL encryption, customizable health checks, and configurable routing rules; tuned stack for lower latency and higher concurrency on the same vCPU/RAM, driving a 25% revenue increase over 6 months.
 - * Executed a zero-downtime cross-datacenter migration of 100+ LB VMs despite incompatible backing storage (Ceph to LINSTOR).
 - * Designed an application-level Ansible workflow to clone VM configurations and cut over traffic behind a 10-second maintenance window with <3 seconds of actual downtime, seamlessly upgrading HAProxy/Prometheus/Zabbix.
 - * Engineered Autoscaling Group (ASG) support, enabling load balancers to dynamically pair with scaling node groups.
- **Infrastructure Engineering (Cloud Console Backend)** | *Django, Celery, RabbitMQ, MySQL, Ansible, Go, Terraform*
 - * Served as a core backend developer utilizing Django, Celery, and RabbitMQ for the primary cloud console, resolving 50+ complex production tickets spanning Kubernetes, VPCs, and Security Groups.
 - * Extended the E2E Cloud Terraform provider in Go with support for additional critical cloud services.

TECHNICAL SKILLS

Languages: Python, Go, TypeScript, C++, SQL

Backend: Django, FastAPI, Django REST Framework, REST APIs, MCP / FastMCP

Frontend: React, TypeScript

Cloud & Infrastructure: Terraform, HAProxy, Linux, Cloud Networking, Load Balancing, VPC, RBAC, Ansible, Kubernetes

Monitoring & Messaging: Celery, RabbitMQ, Prometheus, Zabbix, Sentry

Databases & DevOps: MySQL, PostgreSQL, Git, GitHub Actions, CI/CD, Pytest, Vitest

EDUCATION

The LNM Institute of Information Technology (LNMIIT)

B.Tech, Computer Science & Engineering

Jaipur, India

2021 – 2025

ACHIEVEMENTS

- **LeetCode Knight:** Ranked in the Top 6% globally, with 850+ problems solved.
- **Competitive Programming:** Achieved Global Rank 1278 among 35,000+ participants in LeetCode Weekly Contest 404.
- **Olympiads:** Secured First Rank (Agra) in SOF Olympiads for Science, Mathematics, Computer Science, and English.