

ANKUSH KHATRI

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📍 Mumbai, India

PROFILE SUMMARY

- **Backend Engineer** with **5+ years** of experience owning **Node.js** and **Python** services in production. Proven track record of reducing **MySQL latency**, architecting **Redis cache layers** for **high-traffic** ad pipelines, and shipping releases through **Docker** and **Jenkins**.
- Experienced in designing **concurrent** and **fault-tolerant** systems, including **optimistic locking**, **asynchronous processing**, and **distributed caching** strategies for high-load production environments.
- Strong foundation in **system design** and **data structures**, with production experience building scalable, low-latency backend systems for high-traffic environments.

SKILLS

Languages & Frameworks: Node.js, TypeScript, JavaScript, Python, Express.js, FastAPI

Databases & Caching: MySQL, Redis, ClickHouse

Backend & Systems: RESTful APIs, Microservices, System Design, Concurrency, Asynchronous Programming, Distributed Systems, Performance Optimization

Infrastructure & Tools: Docker, CI/CD, Jenkins, Nginx, Linux, Git, Postman

Observability & Analytics: Elasticsearch, Logstash, Kibana (ELK Stack)

AI Assisted Development: Claude API (Sonnet 4.6), GitHub Copilot, ChatGPT Codex (GPT-5.4)

PROFESSIONAL EXPERIENCE

Affinity Global Inc

Software Engineer (Backend Developer)

Nov'22 - Present

Mumbai, India

- Owned **Node.js** and **Python** services for **SalesCard**, an internal billing management dashboard handling **10,000+** daily requests with sub-second response times and high availability.
- Redesigned **RESTful APIs** across core ad-serving endpoints through connection pooling, payload optimization, and response compression, achieving measurable reduction in system latency.
- Optimized **MySQL** queries, indexing, and stored procedures on high-frequency reporting tables, improving query execution time by **50%**.
- Architected **Redis caching** with **TTL-based invalidation** on campaign reporting endpoints, cutting database load by **60%** during peak ad-traffic windows.
- Implemented **optimistic locking with versioning** to handle concurrent edits across manager hierarchies, eliminating race conditions on shared salescard records without row-level locks.
- Leveraged **Python multiprocessing** to parallelize CPU-intensive data parsing and aggregation across multiple cores, reducing processing time by **80%** for data-heavy reporting pipelines.
- Rebuilt the **Docker** and **Jenkins** deployment pipeline, cutting release cycles from weekly to daily, improving production stability and deployment reliability.
- Reengineered the ad-bidding pipeline with **concurrency tuning**, driving a **70% revenue increase** on targeted ad inventory.

Accenture Solutions Pvt Ltd

Application Development Analyst

Jun'21 - Nov'22

Mumbai, India

- Managed **250+** SAP enterprise instances across the Hosting and Execution Center, owning end-to-end provisioning, system monitoring, and capacity planning.
- Diagnosed performance bottlenecks and enforced **security best practices**, reducing production incidents by **35%**.
- Led **zero-downtime migration** of **50+ enterprise systems** to cloud infrastructure, completing all migrations on schedule.

EDUCATION

Bachelor of Engineering in Computer Engineering

University of Mumbai (*Result: 8.25 CGPA*)

Aug'17 - Jun'21

ACHIEVEMENTS & CODING PROFILES

Solved 350+ problems on [LeetCode](#); 500+ across platforms including [GFG](#) and [HackerRank](#)