Ravi Patel

Mumbai, India

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Education

Indian Institute of Technology (IIT) Bombay

Master of Technology in Computer Science

Jul 2018 – Jun 2020 | Mumbai, India

GPA: 9.6/10.0

Activities: Competitive Programming Team Captain, IEEE Student Branch, Open Source Club

Relevant Coursework: System Design, Distributed Systems, High-Performance Computing, Database Internals, Cloud Architecture, Microservices, Scalability

Bachelor's Degree: B.Tech. in Computer Science, NIT Surat, GPA: 9.2/10.0

Work Experience

Backend System Engineer | Swiggy | Jul 2020 - Present | Mumbai, India

- Designed scalable microservices architecture handling 2M+ orders daily during peak hours.
- Implemented distributed caching and database sharding strategies reducing API response times by 75%.
- Developed fault-tolerant payment processing system with 99.99% uptime processing $10M+ daily transactions.
- Created real-time order tracking system supporting 100,000+ concurrent connections.

Skills

System Design: Microservices, Service-Oriented Architecture, Event-Driven Architecture, API Gateway

Scalability: Horizontal Scaling, Vertical Scaling, Load Balancing, Caching Strategies, Database Sharding

Distributed Systems: Consensus Algorithms, CAP Theorem, Eventual Consistency, Distributed Caching

Performance: Profiling, Bottleneck Identification, Query Optimization, Connection

Pooling

Reliability: Fault Tolerance, Circuit Breakers, Retries, Rate Limiting, Graceful Degradation

Monitoring: Metrics Collection, Distributed Tracing, Alerting, Log Aggregation, Health Checks

Other: High-Load Systems, Traffic Management, Capacity Planning, Cost Optimization, Security

Certificates

AWS Solutions Architect – Professional

MongoDB Certified DBA

Certified Kubernetes Administrator (CKA)

Google Professional Cloud Architect

Awards

System Design Excellence Award – India Tech Summit 2023

Best Scalable Architecture – Swiggy Innovation Challenge 2022

Distinguished Engineer Recognition – Swiggy 2021