

MANISH PRAJAPATI- FAANG

Senior Backend Engineer | Distributed Systems | 10+ Years Building Scalable Applications

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📍 New Delhi, Delhi | 🎯 Seeking Senior/Staff Engineer roles in FAANG & High-Scale Tech Companies

PROFESSIONAL SUMMARY

Senior Backend Engineer with **10+ years** building **high-performance, scalable systems** processing millions of transactions daily. Expert in **distributed system architecture, microservices, and performance optimization**. Proven track record of **95% latency improvements** and leading engineering teams to deliver mission-critical applications at scale.

Core Expertise: Distributed Systems • Microservices Architecture • Performance Optimization • System Design • Engineering Leadership

TECHNICAL EXPERIENCE

Technical Lead | SRS Live Technology Pvt Ltd | Sep 2024 - Present

High-Performance Transaction Processing Systems

- Architected **distributed microservices system** processing **3M+ transactions daily** with **300 TPS** peak throughput
- **Optimized system performance achieving 95% latency reduction** (3000ms → 150ms) through algorithmic improvements and architectural redesign
- Implemented **real-time data processing pipeline** with sub-200ms response times for mission-critical applications
- **Designed database migration strategy** from MySQL to PostgreSQL improving query performance by 60%
- **Led engineering team of 4 developers** driving technical decisions and code architecture standards
- Built **encrypted data processing system** using AWS services ensuring security and compliance at scale

Manager | EY (Ernst & Young) | Aug 2023 - Sep 2024

Full-Stack Engineering Leadership for Enterprise Clients

- **Managed cross-functional engineering teams** delivering scalable solutions for Fortune 500 technology infrastructure
- **Led end-to-end system design** for Self Service Portal serving thousands of internal users across global organizations
- **Architected workflow automation platform** enabling complex business logic processing and database operations
- **Drove technical decision-making** from requirements analysis to production deployment and monitoring
- **Mentored engineering teams** on distributed system design patterns and scalable architecture principles

Senior Software Developer (Acting Technical Lead) | MCM-Encore Capital Group | Mar 2020 - Jul 2023

Event-Driven System Architecture & Engineering Leadership

- **Pioneered event-driven architecture** building first trigger-based automated processing system in the organization
- **Led engineering team of 5 developers** implementing microservices architecture for complex business workflows
- **Designed scalable system architecture** processing high-volume document workflows with 80% automation improvement
- **Implemented real-time event processing** enabling automated business logic execution and data synchronization
- **Established engineering best practices** including code review processes, testing standards, and deployment automation
- **Conducted technical mentoring** for junior developers on system design, algorithms, and scalable programming patterns

Software Developer | Paxcel Labs | Oct 2016 - Jan 2018


Real-Time Data Processing Systems


- Developed **high-frequency data processing system** for real-time market data analysis and alert generation
- Built **scalable alert infrastructure** handling thousands of concurrent data streams and user notifications
- Implemented **efficient algorithms** for stock data manipulation and pattern recognition systems

Large-Scale System Integration & Database Engineering

- Executed **massive data migration project** involving millions of user records and complex database operations
 - **Designed and implemented database integration strategies** ensuring zero-downtime during critical system transitions
 - **Optimized legacy system performance** through database query optimization and application refactoring
 - Worked on **distributed banking infrastructure** serving millions of concurrent users with high availability requirements
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KEY ACHIEVEMENTS

 **Performance Engineering:** Achieved **95% latency optimization** (3000ms → 150ms) through system redesign


 **Scale & Throughput:** Built systems processing **3M+ daily transactions** at **300 TPS** peak capacity

 **System Architecture:** Pioneered **event-driven architecture** reducing manual processing by **80%**

 **Database Optimization:** Led **database migration** improving query performance by **60%**

 **Engineering Leadership:** Successfully led and mentored **15+ engineers** across multiple high-impact projects

 **Innovation:** Designed **first trigger-based automated system** transforming business process efficiency

 **Delivery Excellence:** Consistently delivered complex systems **on-time** with **zero critical bugs** in production

TECHNICAL SKILLS

Programming Languages: Java, Advanced Java, JavaScript, SQL

Frameworks & Libraries: Spring Boot, Spring Framework, Node.js, React.js

Architecture Patterns: Microservices, Event-Driven Architecture, RESTful APIs, Distributed Systems

Databases: PostgreSQL, MySQL, MongoDB, Database Design & Optimization

Cloud & DevOps: AWS, Cloud Architecture, CI/CD, Infrastructure as Code

System Design: Scalable Architecture, Performance Optimization, Caching Strategies, Load Balancing

Tools & Practices: Git, Maven, SonarQube, Agile Development, Test-Driven Development

Leadership: Engineering Team Management, Technical Mentoring, Cross-functional Collaboration

SYSTEM DESIGN EXPERTISE

Distributed Systems: Event-driven architecture, microservices decomposition, service mesh patterns

Performance Optimization: Latency reduction, throughput optimization, caching strategies

Data Engineering: High-volume data processing, real-time pipelines, database scaling

Scalability: Horizontal scaling, load distribution, fault tolerance, circuit breaker patterns

EDUCATION

Bachelor of Technology (B.Tech) | YMCA University of Science & Technology | 2010-2014

CGPA: 6.6/10

NOTABLE PROJECTS

High-Performance Transaction Processing System | Current

- Distributed microservices architecture processing 3M+ daily transactions
- Sub-200ms latency with 300 TPS throughput capacity
- Real-time data processing with automated scaling and fault tolerance

Event-Driven Automation Platform | 2020-2023

- First-of-its-kind trigger-based architecture enabling 80% process automation
- Scalable event processing system handling complex business workflows
- Microservices architecture with real-time data synchronization

Large-Scale Data Migration System | 2016-2017

- Zero-downtime migration of millions of user records and transactions
- Distributed system design ensuring high availability during critical transitions

- Performance optimization achieving seamless user experience during migration