Rohit Sharan

Backend Engineer | Scalable Systems & Distributed Computing +917463911403 |
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Summary

Results-driven Software Engineer with **4 years of experience** building scalable, high-performance backend systems. Expertise in platform architecture, performance optimization, and data integrity. As **a Founding Backend Engineer at Buzzaar Club**, improved trade execution by 30% and user engagement by 25%. At Sarkar Group, boosted system performance by 400% and cut server costs by 25%. Proven ability to lead development, implement microservices, and drive agile collaboration. Passionate about leveraging innovative technologies, demonstrated in projects like an **AI PDF Chatbot and a Real-time Fantasy Sports Platform.**

Skills

Languages: Go, TypeScript, Python, C++
Backend: Node.js, Express, Go, gRPC, REST, RabbitMQ, Redis, Message Queues
Infrastructure: Kubernetes, Docker, Azure
Databases & ORM: PostgreSQL, MYSQL, MongoDB, Prisma, Mongoose
Concepts: Scalability, high-performance, distributed systems, microservices, API development, message-driven architecture, caching, database optimization

Experience

Founding Backend Engineer | Buzzaar Club | Remote | Sept. 2024 – Present

- Architected a high-performance trading platform for binary options using a message-driven architecture, enabling **advanced trading features (market/limit orders, stop-loss, profit-taking)** and resulting in 30% faster trade execution.
- Designed and implemented a distributed **order book system for high-frequency trading**, ensuring low latency and high reliability under heavy load.
- **Built a secure wallet system** with real-time balance updates, improving user trust and engagement by **25%.**
- Developed **real-time communication channels for instant price updates and trade notifications,** ensuring a responsive user experience for platform users.
- Engineered scalable data synchronization mechanisms, maintaining consistency across platform components for accurate, up-to-date information.
- Optimized platform performance through intelligent caching strategies and efficient database design, enabling fast data retrieval for high-traffic scenarios.

Backend Developer | Sarkar Group of Companies | Kolkata, India | Jun. 2023 – Sept 2024

- Led the design and implementation of scalable backend systems using Go, achieving a **400% increase in system performance and a 25% reduction in server costs through code optimization and efficient resource allocation,** directly impacting application responsiveness for over 10,000 daily users.
- Enhanced database operations by developing and implementing advanced query optimization techniques, improving efficiency and security while **reducing query times by 30%.**
- Directed cross-departmental initiatives to enhance system scalability, introducing load balancing and redundancy measures, which led to a **40% reduction in downtime and a 25% increase in traffic.**
- Collaborated with frontend teams to design and implement RESTful APIs, improving data exchange efficiency and **reducing API response times by 20%.**

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Software Engineer | Unihire | Remote, India | Aug 2021 – May 2023

- Spearheaded backend development for scalable applications, achieving a 50% reduction in API response times through efficient caching mechanisms and database optimization techniques.
- Designed and implemented a microservices architecture using Docker and Kubernetes, enabling the system to handle 10,000+ concurrent users with 99.9% uptime.
- Introduced automated testing and continuous integration processes using Jenkins, improving product quality by 20% and significantly reducing client-reported issues.
- Fostered agile collaboration among cross-functional teams, increasing overall productivity by 30% through the effective implementation of agile methodologies.
- Developed and maintained RESTful APIs for seamless integration with third-party services, improving data exchange efficiency by 15%.

Projects

AI PDF Chatbot | Personal Project | 2024

- Developed an AI-powered chatbot that allows users to **query multiple PDFs simultaneously, leveraging OpenAI API, Gemini, and Claude.**
- Deployed a scalable microservice architecture on AWS Lambda, ensuring low-cost, high-availability performance.

Fantasy Sports Platform | Personal Project | 2025

- Designed a **real-time fantasy sports application capable of handling thousands of of concurrent users using WebSockets and Redis for efficient data streaming.**
- Built a scalable backend with **Go, Node.js, and RabbitMQ, enabling low-latency updates for player statistics and game events.**
- Implemented a robust data pipeline for processing live match statistics

Travel Booking System | Personal Project | 2024

- Built a travel booking platform integrating **Amadeus API for real-time flight and hotel availability and booking functionalities.**
- **Optimized backend response times by 40%** by implementing Redis caching for frequently accessed flight and hotel data.

Education

- **BTech Computer Science -** Maulana Abdul Kalam Azad University of Technology