

Shaikh Sajed Ahmed

Backend Developer

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SUMMARY

Results-oriented **Backend Developer** with **3 years** of experience architecting scalable, secure & high-performance systems. Specialized in microservices, real-time event-driven workflows, and AI-integrated pipelines using **Node.js, Express, Kafka, Redis & Inngest**. Proficient in designing API architecture, database optimization, and asynchronous job handling. Focused on clean code, test coverage, and backend systems that scale reliably under pressure.

WORK EXPERIENCE

Backend Developer

01/2023 - Present

Ideamind Technologies, Hyderabad

- Designed and delivered backend services for 4 production platforms, building scalable REST/GraphQL APIs using Node.js and PostgreSQL.
- Implemented microservice architecture using NodeJS, MongoDB & Postgres with Kafka and Redis for async communication and caching, improving system responsiveness by 60%.
- Designed secure authentication and role-based access control (RBAC) using JWT, middleware pipelines, and test-driven development (TDD), reducing production bugs by 95%.
- Optimized PostgreSQL and MongoDB performance with smarter indexing, schema tuning and caching layers, cutting high-load query times noticeably.
- Engineered a high-performance workflow builder with an n8n-style node-and-edge canvas, delivering a smooth editing experience while keeping load times low through tight performance optimizations and solid SEO practices.

SKILLS

Backend: NodeJS, Express, REST APIs, GraphQL, WebSockets, Kafka, Redis, Inngest, Jest Testing (TDD), JWT

Database: MongoDB, MySQL, PostgreSQL, Pinecone, Prisma ORM

Frontend: ReactJS, NextJS, HTML, CSS, JavaScript, TypeScript

DevOps: Docker, AWS, CI/CD, Git/GitHub

Other: Microservices, System Design, UI/UX, Payment Gateway Integration

PROJECTS

Find My Doctor - AI-Powered Medical Triage Platform - [Live Project](#)

- Github Source Code: [1. Frontend](#) [2. Backend](#)
- Architected and deployed Node.js APIs backed by MongoDB to handle patient queries and deliver AI-driven doctor recommendations leveraging Inngest AI-Agent pipeline
- Reduced query latency by 30% than the traditional databases by implementing semantic search and vector indexing via Pinecone.

Connector - Chatting and Collaborative Code Sharing Platform - [Live Project](#)

- Github Source Code: [1. Frontend](#) [2. Backend](#)
- Developed backend services using NodeJS & Socket.IO for live chat and code sharing.
- Implemented syntax-safe communication and session handling, ensuring low-latency and consistent collaboration.

Round Pizza - Online Pizza Delivery Architecture - [Complete Architecture and Repositories](#)

- Architected highly-scalable microservices for auth, order, catalog, sockets, payments, and notifications using Node.js, Kafka, MongoDB & Postgres.
- API gateway layer optimized with Redis caching and secure service-to-service messaging.
- Ensured database integrity and query speed using PostgreSQL transactions and MongoDB indexing.

EDUCATION

Master in Computer Applications, SRTMUN, Nanded, Maharashtra (**GPA: 9.1**)

07/2021 - 02/2023

Bachelors in Computer Science, DSM College, Parbhani, Maharashtra (**GPA: 8.8**)

07/2018 - 06/2021