

# 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

06/2024 - 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%.

#### Backend Developer

04/2022 - 04/2024

Swami Ramanand Teerth Marathwada University, Nanded, MH

- Developed and maintained 30+ backend modules using Node.js and MongoDB to digitize academic and administrative workflows.
- Delivered automated reporting systems for CAS, PBAS, AQAR, NIRF and 8 other highly complex modules, reducing manual documentation effort by 90%.
- Engineered backend systems for dynamic PDF using Puppeteer and Excel generation from academic data, saving 100+ hours per quarter.
- Standardized internal dashboards and approval flows, improving cross-department communication and decision tracking by 50%.

### 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 - 03/2023

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

07/2018 - 06/2021