

DANISHAN FAROOKH

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PROFESSIONAL SUMMARY [Check: danishan4u.in/about]

Software Development Engineer with 2+ years of experience building and scaling backend systems in production environments. Strong expertise in Node.js, REST API design, system architecture, and infrastructure-aware development. Proven ability to own features end-to-end, improve system reliability, and collaborate across teams. Currently working as a Technical Project Lead, driving backend architecture and mentoring engineers.

TECHNICAL SKILLS [Check: danishan4u.in/skill]

- **Languages:** JavaScript (Node.js), C++, Python
- **Backend:** Node.js, Express, REST APIs
- **Databases:** MongoDB, MySQL
- **Systems & Infra:** Linux, nginx, pm2, VPS deployment
- **Architecture:** System Design, OOP, Design Patterns
- **Real-Time:** Socket.IO, Redis (scaling)
- **Tools:** Git, CI/CD basics
- **Foundations:** Data Structures, OS, Networking, AI/ML fundamentals

WORK EXPERIENCE (Full Time) [Check: danishan4u.in/experience]

- **Project Technical Lead (JKC Software LLP) – Mar 2025 - Present [10 Months]:** Lead design and development of scalable backend systems using Node.js and REST APIs. Own system architecture decisions, deployment strategies, and performance optimizations. Mentor engineers, conduct code reviews, and enforce clean coding standards. Coordinate cross-functional teams to deliver projects on time and within scope. Ensure reliability, scalability, and maintainability of production systems.
- **Software Development Engineer - I (JKC Software LLP) – Nov 2023 - Mar 2025 [1.5 Years]:** Designed and implemented backend services using Node.js and Express. Built REST APIs supporting core business workflows and integrations. Contributed to database design, query optimization, and system stability. Assisted in deployments, monitoring, and production issue resolution. Collaborated with frontend and product teams to ship end-to-end features.

KEY PROJECTS [Check: danishan4u.in/project] [[GitHub](#)]

- **Custom Application Server Infrastructure:** Designed and managed Node.js application servers on VPS and physical machines. Configured nginx for reverse proxying, SSL, and production traffic handling. Built deployment workflows using pm2 for process management and reliability.
- **Mail Server System:** Built a secure mail server with authentication, spam protection, and MySQL persistence. Implemented structured email storage and auditing capabilities.
- **Real-Time Communication Library (@itsrighttime/socket-io):** Developed a scalable Socket.IO library supporting rooms, broadcasts, and global messaging. Implemented Redis-based horizontal scaling and secure authentication mechanisms. Optimized real-time performance for high concurrent connections.
- **IndiaBills (Billing Platform):** Developed backend services for invoicing, inventory, and reporting. Designed APIs and data models tailored for Indian business workflows.

EDUCATIONAL BACKGROUND

B-Tech CSE (Computer Science and Engineering) Amity University, Uttar Pradesh **[8.66/10]**

Relevant Coursework: Data Structures, Operating Systems, Computer Networks, Software Architecture, Compiler Construction, Artificial Intelligence, Machine Learning

Additional Information: Strong systems thinking with awareness of OS, networking, and infrastructure. Experience owning features from design to production. Actively building C++ and AI fundamentals to strengthen system-level intelligence.