

# MD. JUBAIDUL ALAM

Senior Full-Stack Software Engineer

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Mirpur, Dhaka, Dhaka, 1216, BD

Senior Full-Stack Software Engineer with 6+ years of experience building and scaling production-grade web applications used by millions of users. Expert in Node.js, NestJS, TypeScript, React, Next.js, and designing microservices, REST APIs, and cloud-native systems. Proven track record delivering high-performance platforms in healthcare, transportation, and AI-driven products, including remote collaboration with international teams. Strong focus on system reliability, performance optimization, and clean architecture.

## Work Experience

### Senior Backend Engineer

Jul 2025 - Present

[Pullsight.ai](#) | Bulgaria (Remote - Contract)

- Engineering backend infrastructure for an open-source AI code review platform deployed in customer infrastructure.
- Building a scalable system for automated code analysis, enabling code review delivery within minutes.
- Developing integrations with GitHub, GitLab, and Bitbucket for seamless pull request review automation.
- Implementing webhook handlers and API integrations for real-time PR analysis and feedback delivery.
- Collaborating with an international team on distributed system design and performance optimization.

### Senior Software Engineer

Sep 2024 - Oct 2025

[Grameen HealthTech Limited](#) | Dhaka, Bangladesh

- Leading backend architecture and development for digital healthcare platforms, serving 2+ million registered patients.
- Built secure, high-performing APIs for patient care, appointment scheduling, and analytics.
- Integrated third-party healthcare services and payment gateways with robust error handling and retry mechanisms.
- Optimized database queries and implemented caching strategies, significantly improving system performance.
- Enhanced system reliability through comprehensive monitoring, logging, and alerting infrastructure.

### Lead Software Engineer

Jan 2022 - Aug 2024

[Jatri Services Limited](#) | Dhaka, Bangladesh

- Led a cross-functional engineering team developing an e-ticketing platform for public transportation.
- Built scalable backend infrastructure, handling thousands of daily ticket bookings and real-time bus tracking.
- Collaborated with product and design teams to define technical requirements and delivery timelines.
- Managed server infrastructure on AWS EC2 with Nginx for load balancing and reverse proxy configuration.
- Mentored junior developers through code reviews, pair programming, and technical documentation.
- Analyzed system performance metrics, identifying areas for improvement and driving optimization efforts.

### Software Engineer

Sep 2020 - Dec 2021

[Shafa Care Ltd.](#) | Dhaka, Bangladesh

- Developed core backend systems for a telemedicine platform that connects doctors and patients.
- Built secure APIs for electronic prescriptions, appointment booking, and medical report management.
- Implemented role-based access control (RBAC) for a multi-tenant healthcare system.
- Coordinated with the frontend and mobile teams to ensure seamless API integration.
- Integrated third-party services, including SMS gateways, payment processors, and video conferencing APIs.

## Core Skills

**Languages & Frameworks:** Node.js, Express.js, NestJS, JavaScript, TypeScript, React, Next.js, Python

**Architecture & Protocols:** Monolithic & Modular Architecture, Microservices Architecture, REST APIs, WebSockets, Socket.io, RabbitMQ, Kafka, BullMQ

**Database & ORM:** MySQL, PostgreSQL, MongoDB, TypeORM, Sequelize, Mongoose, Redis

**DevOps & Cloud:** Docker, CI/CD Pipelines, Git, GitHub Actions, Load Balancing, System Monitoring, Nginx, AWS (EC2, RDS, S3, Route 53)

**Tools & Methodologies:** GitHub, Postman, Jira, Confluence, Agile/Scrum, Jest (Unit & Integration Testing)

**Leadership & Soft Skills:** Team Leadership, Technical Mentoring, Strategic Planning, Problem Solving, Cross-functional Collaboration

## Education

**International University of Business Agriculture and Technology (IUBAT)**

Jan 2017 - Dec 2020

Bachelor of Science Computer Science and Engineering

**Govt. Hazi Muhammad Mohsin College, Chattogram**

Jan 2013 - Dec 2015

Higher Secondary Certificate (HSC)

## Awards

**Champion**

Feb 2020

*IUBAT Intra University Programming Contest*

**9th Place**

Jan 2019

*UIITS Inter University Programming Contest*

**Champion**

Jan 2019

*JU CSE FEST ICT Olympiad*

**9th Place**

Jan 2018

*IUB Inter University Programming Contest*

**3rd Place**

Nov 2017

*IUBAT Intra University Programming Contest*

## Interests

Playing Football, Traveling