

# Md. Aminul Islam Full-Stack Web Engineer (Node.js + React)

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 Portfolio

## Objective

Full Stack Developer skilled in building scalable web applications with modern frontend (React/Next.js) and backend (Node.js/Express) technologies. Adept at designing efficient APIs, managing SQL/NoSQL databases, and delivering user-focused solutions. Seeking to contribute technical expertise and problem-solving skills to a dynamic development team.

## Skills

- **Expertise:** ReactJS | NextJS | NodeJS | ExpressJS | REST API | PostgreSQL | MongoDB | JavaScript | TypeScript | Tailwind CSS | Zustand | Python
- **Familiar:** Redux | Fast API | Machine Learning
- **Tools:** Docker | AWS | VS Code | Git | Figma | Netlify | Vercel

## Work Experience

### Full-stack Developer (Remote)

2024/12 – Present | London, UK

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As a full-stack Developer, I am responsible for designing, developing, and optimizing scalable web applications, ensuring seamless data management, and collaborating with cross-functional teams to enhance system performance and user experience.

Key Contributions:

- Building and maintaining scalable frontend components with React.js and Next.js to deliver responsive, user-friendly interfaces.
- Developing and optimizing backend systems with Node.js, Express.js, and Prisma ORM to ensure scalability, reliability, and security.
- Designing and implementing RESTful API endpoints to enable seamless communication between services.
- Integrating and managing relational (PostgreSQL) and NoSQL (MongoDB) databases to ensure secure, efficient, and scalable data handling.
- Leading projects across the full lifecycle from concept, development, testing, and deployment, collaborating with designers, QA engineers, and stakeholders to deliver on time and within scope.
- Implementing and managing application deployments using CI/CD pipelines, containerization, and cloud platforms to ensure smooth releases and production stability.
- Enhancing application performance and load times through optimized database queries, caching strategies, and efficient server-side logic.
- Contributing to code reviews and mentoring junior developers, establishing best practices, and maintaining high code quality standards.

### Backend Developer

2022/02 – 2024/11 | Sylhet, Bangladesh

*Shafi Consultancy Limited* 

Delivered scalable backend solutions focused on security, performance, and reliability. Experienced in developing RESTful APIs, managing relational and NoSQL databases, and integrating third-party services to support business applications.

Key Contributions:

- Improved API performance by refactoring endpoints in Node.js (Express) and optimizing database queries in PostgreSQL/MongoDB.
- Reduced server response time through caching strategies, indexing, and query optimization.
- Designed and deployed secure authentication with JWT systems, cutting unauthorized access attempts.
- Wrote modular, reusable Python scripts for automation, ETL, and data processing, reducing manual work and improving efficiency.
- Integrated APIs with PostgreSQL and MongoDB to power dynamic dashboards.

- Provided mentorship and training to team members, including leading sessions on Python to enhance team-wide technical skills.
- Conduct training sessions on Python to enhance team skill sets.
- Read and analyze client requirements for data transformations and statistical analysis.
- Develop and validate programs in appropriate software to deliver outputs within agreed timelines and budget.

### Trainee Statistical Programmer

2021/08 – 2022/01 | Dhaka, Bangladesh

*Shafi Consultancy Limited* ↗

I was responsible for

Key Contributions:

- Read, understand, and complete training on all assigned SOPs, Guidelines, and Working Instructions.
- Received training on clinical trials, data manipulation, SAS programming, and NONMEM.
- Developed and maintained well-documented programs for statistical analysis.
- Gained hands-on experience in data processing and statistical programming techniques.
- Learned best practices for ensuring data integrity and compliance with industry standards.

## Projects

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### AppForm: NPM package ↗

2023/04 – 2023/05

A reusable form solution for React, built with React Hook Form, Zod, Tailwind CSS, and Shadcn UI. Includes CLI scaffolding for rapid form creation and consistent, validated UI components.

**Technologies:** ReactJS, React-Hook-Form, Zod, Tailwind CSS, Shadcn

**Features:**

- Built with react-hook-form and zod.
- Uses Tailwind CSS + shadcn/ui components.
- Reusable form fields: Input, Select, Checkbox, Image Upload, etc.
- Simple CLI scaffolding: npx app-form init.
- Smart path resolution (auto-detects src/components/, etc.)
- Checks for required shadcn UI components

NPM ↗ | GitHub ↗

### Livana – Smart Property Rental Platform ↗

Livana is a web application that streamlines property rentals. Landlords can list properties with details and photos, while tenants can explore, apply, and complete referencing easily. The platform also features secure payment tracking using Stripe.

**Technologies:** NextJS, Tailwind CSS, Axios, Tanstack Query, Shadcn, NodeJS, ExpressJS, PostgreSQL, Prisma, Stripe

**Features:**

- A **full-stack rental platform** where landlords can publish property listings with images, details, and availability, while tenants can browse and apply seamlessly.
- **Secure payment workflows** using **Stripe** for rental transactions.
- **Designed and developed a responsive frontend** with **Next.js** and **Tailwind CSS**, ensuring a smooth user experience across devices.
- **Integrated Shadcn UI and reusable form components** to streamline listing creation and tenant application flows.
- **Implemented efficient API communication** using **Axios** and **TanStack Query**, with caching, error handling, and background data synchronization.
- **Optimized server-client communication** by designing REST APIs that reduce round-trips and improve query performance.
- **Applied secure authentication & authorization** practices for both landlords and tenants, protecting sensitive rental and payment information.

**GitHub:** Client ↗ | Server ↗

## Education

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### B.Sc in Mathematics

2015 – 2019 | Sylhet, Bangladesh

*Shahjalal University of Science and Technology*

## **Languages**

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- Bangla
- English