# SAZEDUL ISLAM

## Backend Software Engineer

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📍 Aftabnagar, Badda, Dhaka - 1212, Bangladesh

## Summary

Backend Software Engineer with 2+ years of professional experience building scalable, high-performance backend systems using Node.js, TypeScript, and NestJS. Experienced in designing secure RESTful APIs, microservices-based architectures, and real-time systems backed by PostgreSQL, MongoDB, and Redis. Strong exposure to AWS services (S3, VPS/EC2), Docker, CI/CD workflows, and background job processing. Proven ability to collaborate cross-functionally with frontend, QA, and security teams to improve developer experience, system reliability, and operational efficiency. Passionate about building maintainable platforms that scale in production.

## EXPERIENCE

### Backend Developer
**Softvence Delta - Betopia Group**
📅 03/2025 - Present   📍 Banasree, Dhaka

Company focused on technological solutions and application development

- Designed, developed, and maintained scalable, high-performance RESTful APIs using Node.js, Express.js, and NestJS, following clean architecture and industry best practices.
- Architected and optimized PostgreSQL and MongoDB databases using Prisma ORM and Mongoose, ensuring data integrity, performance, and scalability.
- Improved backend reliability through structured logging, centralized validation, CI/CD automation, and enhanced developer collaboration via Swagger/OpenAPI documentation.
- Integrated AI APIs, Firebase services, and third-party platforms, enabling seamless system-enhanced application functionality.
- Collaborated cross-functionally with UI/UX designers, frontend, and Flutter developers to align backend logic with optimized user experiences and ensure smooth end-to-end integration.
- Worked closely with sales, senior developers, and technical leads to translate client requirements into reliable, production-ready solutions while maintaining clean and maintainable codebases.
- Mentored interns and junior developers, supported client communication, and managed task prioritization to ensure on-time delivery of high-quality, client-ready products.

### Key Account Manager
**Softvence Delta - Betopia Group**
📅 09/2024 - 03/2025   📍 Banasree, Dhaka

Technology-driven company specializing in scalable software solutions and application development.

- Managed client relationships, project scope, and delivery timelines, ensuring alignment with business objectives and contractual requirements.
- Acted as the primary communication bridge between clients and development teams, translating business needs into clear technical requirements.
- Collaborated closely with the business development and sales teams to support company growth, proposal preparation, and client onboarding.
- Maintained and optimized freelance marketplace profiles (Fiverr & Upwork), focusing on client engagement, requirement analysis, and conversion of leads into projects.
- Coordinated with backend, frontend, and UI/UX teams to ensure on-time delivery, quality assurance, and high client satisfaction.
- Prepared and managed project documentation, requirement specifications, progress reports, and client updates, supporting transparency and long-term client retention.

### Junior Instructor / Executive – Web Development
**Ideal Institute of Science & Technology  IIST**
📅 03/2023 - 02/2024   📍 Mirpur-10, Dhaka

- Teach web development fundamentals, including HTML, CSS, JavaScript, and backend basics, aligned with industry standards.
- Supervised hands-on student projects, guiding learners in applying real-world development practices.
- Assisted in curriculum planning, lab management, and course material preparation to support effective instruction.
- Evaluated assignments and technical performance, providing feedback to enhance student skills and professional readiness.

### Intern – WordPress Development
**Engineers Computing & Computers ECC  Ltd**
📅 09/2022 - 03/2023   📍 Mirpur-10, Dhaka

- Developed responsive WordPress websites and customized themes/plugins using basic PHP, HTML, CSS, and JavaScript.
- Assisted in website optimization, bug fixing, and content updates under the guidance of senior developers.
- Gained hands-on experience with professional development workflows and client-focused delivery.

## PROJECTS

### ▷ Streamly Backend (Streaming Platform API)

Built and maintained a backend API for a streaming-style application including user authentication, content ingestion/catalog endpoints, payments/subscriptions, and real-time notifications, with background processing for media uploads.

**Key Responsibilities & Contributions:**
- Designed and implemented scalable REST APIs for user management, content ingestion and cataloging, ratings, favorites, support tickets, and admin operations.
- Built secure authentication using JWT and Google OAuth with role-based access control for user and admin workflows.
- Developed an asynchronous media upload pipeline using background workers to process and store video and thumbnail assets in S3-compatible storage.
- Integrated Stripe subscriptions and webhooks to manage payments, billing events, and user subscription lifecycle.
- Implemented real-time notifications using Socket.IO with persistent storage.
- Automated subscription expiration and account state changes via scheduled background jobs.

**Github:** github.com/sazed1237/streamly-platform-backend

### ▷ Serenity Habit & Mood Coach

Backend API for a habit and mood tracking platform with subscription gating, habit completion logging, mood insights, daily routines, reminders, and real-time chat/notifications backed by PostgreSQL and Redis.

**Key Responsibilities & Contributions**
- Developed REST APIs for auth, habits, mood, routines, reminders, subscriptions, and support using NestJS modules/controllers/services
- Designed and maintained Prisma/PostgreSQL models for users, subscriptions, habits/logs, mood entries, routines, reminders, and notifications
- Implemented secure authentication (Passport local/JWT/Google/Apple OAuth), Redis-backed refresh tokens, and subscription enforcement via global Nest guards
- Integrated Stripe subscription lifecycle with webhook handling, scheduled expiry, and trial-aware access, plus background processing using BullMQ and Cron jobs for reminders and subscription maintenance
- Enabled real-time notifications with Socket.IO

**GitHub:** github.com/sazed1237/serenity-habit-mood-backend

# Projects

**Creative Imaging Studio Backend**

NestJS backend powering AI image generation and chat with authentication, subscription billing, and real-time chat/notifications using PostgreSQL and Redis.

**Key Responsibilities & Contributions**
- Developed a modular NestJS backend (Auth, AI, Chat, Subscription, Admin) with Swagger/OpenAPI documentation and export
- Implemented secure authentication (Passport local/JWT/Google/Apple OAuth), refresh tokens, and account lifecycle management.
- Built OpenAI-powered image generation and chat workflows with prompt moderation, database persistence, and per-plan usage enforcement
- Integrated Stripe subscriptions with plan management, payment flows, cancellations, and webhook syncing to PostgreSQL
- Enabled real-time chat and notifications via Socket.IO, Redis pub/sub, and WebRTC signaling; implemented media storage abstraction supporting local and S3/MinIO

**GitHub:** github.com/sazed1237/creative-imaging-studio-backend

# EDUCATION

**Bachelor of Science- Computer Science**

**Southeast University**

📅 03/2023 - Current     📍 251/A Tejgaon I/A, Dhaka 1208

**Diploma in Engineering- Computer Technology**

**Dhaka Polytechnic Institute**

📅 01/2017 - 02/2023     📍 Tejgaon, Dhaka 1208

# TRAINING / COURSES

Web Development Next level 2 - Programming Hero

Web Development level 1 - Programming Hero

Internship Web Development (WordPress )

NTVQF Web Development Level 4

# LANGUAGES

**English**
Native

**Bengali**
Native

**Hindi**
Intermediate

# SKILLS

**Backend & Languages**
- Node.js, TypeScript, JavaScript (ES6+)
- NestJS, Express.js
- RESTful APIs, Microservices

**Authentication & Security**
- JWT, OAuth (Google, Apple)
- Role-based Access Control

**Databases & Caching**
- PostgreSQL, MongoDB
- Prisma, Mongoose
- Redis, Caching

**Cloud & Infrastructure**
- AWS (S3, EC2/VPS)
- Docker, Linux, Nginx
- Firebase
- CI/CD

**Real-Time & Background Processing**
- WebSockets, Socket.IO
- BullMQ, Cron Jobs

**Frontend (Supporting Skills)**
- React.js, Next.js
- HTML5, CSS3
- Tailwind CSS, Bootstrap

**Dev Tools & Workflow**
- Git, GitHub
- Postman/Insomnia
- Agile, Scrum

# SOFT SKILLS

- Project Management
- Team Collaboration
- Time Management,
- Fast Learner
- Problem Solving
- Client Communication
- Agile & Scrum Working Style

# Declaration

I confirm that all the information provided above is currently accurate. If any information is found to be incorrect, I take full responsibility for it.

*Sazedul Islam*