

Shaiq Ahmed

Backend-focused Full Stack Developer with 2+ years of experience building scalable web applications using Node.js, TypeScript, and MongoDB. Proficient in API design, modular architecture, and backend best practices, with working knowledge of React and Redux.

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WORK EXPERIENCE

Digital Auxilius

Backend Developer

May 2025 - Present

- Engineered background job processing with **Bull and Redis** to handle tasks such as scheduled notifications, email dispatching, and queue-based workflows.
- Set up and maintained **CRON jobs** for time-based automation, improving system reliability and scalability.
- Integrated third-party communication services like **Twilio** for SMS/OTP-based authentication and notifications.
- Improved system observability through structured logging, error handling, and integration with monitoring tools.
- Implemented real-time communication features using **Socket.IO**, enabling live chat and notifications.
- Collaborated in Agile teams, contributing to sprint planning, backlog grooming, and cross-functional discussions.

Nanosoft Technologies

Associate Software Engineer

October 2022 - May 2025

- Designed and implemented scalable RESTful APIs using Node.js, Express, and MongoDB to support robust backend services and seamless integration with frontend and third-party platforms.
- Developed efficient MongoDB schemas and optimized queries with indexing to ensure performance and scalability.
- Participated in regular code reviews to maintain high code quality and enforce best practices.
- Wrote comprehensive unit and integration tests using Jest and Supertest, improving code reliability and reducing bugs.
- Documented APIs using Swagger, enhancing developer onboarding and team collaboration.

EDUCATION

NED University of Engineering and Technology

B.E. Computer Information Systems

October 2018 - September 2022

SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, SQL

Frontend: HTML5, CSS3, React.js, Redux, Tailwind CSS, Bootstrap

Backend & Frameworks: Node.js, Express.js, NestJS, RESTful APIs, Socket.IO

Databases: MongoDB, PostgreSQL, Redis

ORMs / ODMs: Mongoose, TypeORM

Authentication & Authorization: JWT, OAuth 2.0

Testing & Tools: Jest, Postman, Swagger, Git

Cloud & DevOps: Docker, AWS (EC2, S3), Nginx, PM2, CI/CD Pipelines (GitHub Actions)

Job Queues & Messaging: Bull (Redis-based job queue)

Architecture & Practices: MVC, Clean Architecture, RESTful Design

Project Management & Workflow: Agile/Scrum, Git Flow, JIRA

LANGUAGE

English Proficient

Urdu Native