

Khalid Hasan

Full Stack Developer

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Address: Dhaka, Bangladesh

SKILLS

Language: JavaScript, TypeScript, C++
Backend: Node.js, NestJS, Express.js, Redis, BullMQ, PostgreSQL, Prisma, MongoDB
Frontend: React.js, Next.js, Redux
Cloud & DevOps: AWS (EC2, Lambda, S3), Docker, CI/CD
Other: REST API Design, WebSocket Systems, Caching Strategy, Background Job Processing, Communication, Adaptability, Teamwork, Project Management

EXPERIENCE

FullStack Developer

Rampura, Dhaka
Oct 2024 - Present

SM Technology

- Architected and deployed scalable REST APIs using Node.js and NestJS, serving web and mobile applications.
- Designed a Redis-based caching strategy, reducing average API response.
- Implemented the BullMQ queue system for processing asynchronous jobs (email, payments, notifications), improving system reliability under peak traffic.
- Built real-time chat and notification system using WebSocket (Socket.io), supporting concurrent active users across platforms.
- Engineered secure HLS video streaming infrastructure using AWS S3 and signed URLs, preventing unauthorized content access.
- Integrated multi-provider payment gateway (Stripe, PayPal, Cryptocurrency) with webhook validation and automated subscription billing.
- Managed AWS production infrastructure (EC2, Lambda, S3), ensuring scalability, monitoring, and deployment stability.

FullStack Developer

Dinajpur, Rangpur
Jul 2024 - Sep 2024

Bangladeshi Software

- Developed full-stack web applications using React.js, Next.js, and Node.js.
- Optimized API endpoints and database queries, improving data retrieval speed.
- Contributed to a cross-functional development team, delivering production-ready features within tight deadlines.

PROJECTS

My Financial Trading (EdTech & Community)

[Live](#)

Dec 2024 - Present

- Architected a scalable full-stack platform using Next.js and Node.js with a modular backend structure.
- Implemented Redis caching and queue-based background processing to handle high-load operations efficiently.
- Developed a subscription-based payment system integrating Stripe, Apple IAP, and Cryptocurrency with secure webhook verification.
- Built real-time community features (chat, notifications) using Socket.io and Firebase Cloud Messaging.
- Deployed on AWS infrastructure, ensuring secure media delivery and scalable backend operations.