

Khalid Hasan

FullStack Developer

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EXPERIENCE

FullStack Developer
SM Technology

Rampura, Dhaka
Oct 2024 - Present

- Implemented a real-time chat system using Socket-io/WebSocket, enabling instant communication across web and mobile apps.
- Integrated Redis caching and BullMQ queue management to improve performance and handle background jobs reliably.
- Built a secure HLS video streaming system and developed a multi-method payment system using Stripe (one-time + split payments), PayPal, and Crypto.
- Deployed and managed the project on AWS using Lambda Functions, EC2, and S3, handling production setup, scalability, and monitoring.
- Led the development team, supported both frontend and backend engineers, and resolved critical bugs to ensure smooth releases.

FullStack Developer
Bangladeshi Software

Dinajpur, Rangpur
Jul 2024 - Sep 2024

- Developed full-stack application with React.js, Next.js, and Node.js, delivering a smooth and reliable user interface.
- Worked closely with a team of developers, boosting project completion rates by 20% through effective collaboration.
- Created efficient APIs that handled daily requests, improving data retrieval speed by 20%.

LANGUAGES & TECHNOLOGIES

Language: JavaScript | TypeScript | C++
Technologies: Express.js | Nest.js | React.js | Next.js | Redux | Docker | CI/CD | MongoDB | Mongoose | PostgreSQL | Prisma | Firebase | NextAuth | JWT | Redis | BullMQ | AWS(EC2, Lambda)
Other: Communication | Adaptability | Teamwork | Project Management | Team Management

PROJECTS

My Financial Trading

[Live](#)

Dec 2024 - Present

Key Features:

- Architected a scalable EdTech platform using **Next.js** and **Node.js**, utilizing **Redis** for caching and **BullMQ** for asynchronous background processing to ensure high performance.
- Engineered a custom **HLS video streaming** solution with **AWS S3** and dynamically signed tokens to secure premium content and prevent unauthorized distribution.
- Integrated a robust multi-payment system supporting **Stripe**, **Apple IAP**, and **Cryptocurrency**, featuring automated subscription billing and webhook verification.
- Developed interactive community features with **Socket.io** and **Firebase Cloud Messaging**, enabling real-time feeds, chat, and instant cross-platform notifications.