

Md. Nazmul Haque Redoan

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Full-stack developer with a track record of building end-to-end applications and a strong interest in system design, problem-solving, and testing. Skilled in simplifying complex concepts and passionate about creating impactful, real-world projects.

Skills

Languages: Rust, TypeScript, Bash, JavaScript, C, C++, Python, PHP, Java, Assembly

Frameworks/Tools: Next.js, Vue.js, Express.js, Tauri, Tailwind CSS, Docker, Git, Linux, Figma, Framer-motion

Testing: Cypress, Jest, JMeter, Postman

Databases: PostgreSQL, MongoDB

Experience

OneVisaHub

Full Stack Developer

- Developed backend logic using Next.js server actions to streamline user workflows and reduce API response time by 30%.
- Optimized database schema and queries to enhance performance and achieve 40% faster data retrieval.
- Performed API testing with Postman to validate endpoints, ensure data accuracy, and improve backend reliability.

Projects

Unmochoon

- Developed a responsive online platform using Next.js to manage university project showcase events, streamlining coordination for 100+ participants
- Integrated Clerk.js for secure email authentication, enhancing user account security and reducing unauthorized access by 60%.
- Implemented Edge Store for efficient file uploads, reducing upload times by 35%.
- Utilized Drizzle ORM for structured, type-safe database queries, minimizing runtime errors and boosting query reliability.
- Leveraged Neon Postgres for scalable cloud-based data storage, supporting over 10,000 records with high availability.
- Deployed the platform on Vercel, achieving 99.9% uptime and improved load performance.
- Performed end-to-end testing with Cypress and load testing with JMeter, enhancing system reliability and scalability by identifying and resolving performance bottlenecks, improving response time by 40%.
- Collaborated in an Agile development environment, conducting regular stand-ups and iterative planning to ensure continuous delivery and fast feedback

Research

Renewable Energy Fusion: An Integrated Approach for Sustainable Data Centers

Co-author

- Proposed a holistic architecture integrating renewable energy, heat waste management, and liquid cooling techniques to improve data center energy efficiency by up to 40%, illustrated through simulation using HOMER software.

Education

United International University

Bachelor in Computer Science

CGPA: 3.67/4.00

- Awarded 50% and 100% merit-based scholarships across multiple trimesters for academic excellence and consistent performance.