RAFIUR RAHMAN PROTIK

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TECHNICAL SKILLS

Languages: JavaScript, TypeScript

Libraries/Frameworks: React, Redux, Next.js, Node.js, Express.js, Socket.io, React Query

UI Component Libraries: Ant Design, Material UI, Shadcn UI, Mantine UI, styled-components, Tailwind, SASS

Databases/Servers: MongoDB, PostgreSQL, Redis, Mongoose, Prisma, Firebase, Nginx

Platforms/Tools: Docker, Vercel, Git, Postman, NPM, Yarn, Netlify, Jenkins, REST, Cypress, Swagger, YAML

EXPERIENCE

NEN Group [TypeScript, JavaScript, Next.js, React.js]   Tejgaon, Dhaka, Bangladesh

Frontend Engineer – Full time   *January 2024 – Present*

- Led a news platform application using React.js with design patterns to ensure scalable and efficient state management.
- Migrated the news application from React.js to Next.js, enhancing SEO and optimizing overall performance.
- Published two portfolio projects on ThemeForest, generating over 80 successful sales.

Tech Serve4 U [Node.js, Next.js, MongoDB, Microservice]   Michigan, United States

Software Engineer – Full time   *July 2022 – December 2023*

- Optimized internal apps with Next.js, Socket.io, Redux, and Ant Design, designing complex queries for high-performance retrieval.
- Contributed to designing and optimizing a microservice architecture using RabbitMQ, reducing message latency by 25%.

EverExpert [React.js, React Native]   Mirpur, Dhaka, Bangladesh

Software Engineer – Intern   *May 2022 – June 2022*

- Contributed to designing the eCommerce category page at Bazar360 using Angular and SASS.
- Worked with the Bazar360 team to build responsive UI components, ensuring cross-browser compatibility.

PROJECTS

VideoStream [TypeScript, Node.js, Express.js, Prisma, FFMPEG, Cloudinary, hls.js]

- Uploads videos and converts them into HLS format with segmented files (.ts) and playlist (.m3u8).
- Stores HLS files in Cloudinary, enabling seamless access and streaming while adding animated watermarks during processing.

AdminSuite [Next.js, React Query, Material UI, TypeScript]

- Created a dynamic role management system, enabling customizable permissions for administrative tasks and user actions.
- Developed a user-friendly blog management interface that offers real-time content previews for seamless post creation.

EDUCATION

American International University-Bangladesh   *August 2017 – December 2021*

Bachelor in Computer Science and Engineering   *CGPA: 3.34/4.00*

BAF Shaheen College, Dhaka   *June 2014 – September 2016*

Higher Secondary Certificate (HSC)   *GPA: 4.58/5.00*

RESEARCH

Melanoma Classification by Using Deep Learning

Domain: *Deep Learning*

MENTORING EXPERIENCE

Teaching Assistant   *September 2021 – December 2021*

American International University-Bangladesh

- Assigned primary classroom and laboratory responsibility.
- Assisted students with their coding problems and debugging.

Mentor   *Julu 2023 – Present*

Tech Serve4 U

- Conducted MERN program, delivered content and live sessions.
- Assisted students with technical guidance and real-time problem solving.