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Rifat Hossain

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I am a full-stack software engineer especially interested in building accessible web experiences, scaling systems, and shipping reliable applications.

Work Experience

Senior Frontend Developer   InfinitiBit GmbH   **March 2025–Present**
Heiglhofstr, Munich, Germany

- Led the architectural design and technical direction of the frontend, selecting and implementing a modern and scalable technology stack including Vite, React, Next.js and others.
- Spearheaded frontend performance optimization initiatives, resulting in significantly faster load times and a more responsive user experience.
- Drove the adoption of best practices in code quality and developer experience by establishing a robust build process, automated testing frameworks (Vitest), and a streamlined asset management pipeline.
- Mentored and guided frontend developers, fostering a culture of technical excellence, collaboration, and continuous improvement.
- Authored custom build tooling and automation scripts to solve complex project-specific challenges, enhancing deployment efficiency and reducing manual errors.
- Collaborated closely with UI/UX designers and backend engineers to translate product requirements into high-quality, maintainable, and performant frontend features.

Software Engineer   Giga Tech Limited   **March 2023–March 2025**
Dhaka, Bangladesh

- Collaborated and built web applications with React and Next.js focusing on Machine Learning and AI from the ground up as the Lead Front End Developer.
- Worked on implementation of 8+ Data Extraction method for NLP and machine learning.
- Designed, developed and implemented a Bengali Search Engine interface, enhancing search functionality and user experience with a focus on performance and seamless integration.
- Built web application to manage and monitor various web crawlers for collection of Bengali Data
- Engineered a comprehensive dataset management tool from the ground up similarly to that of hugging face.
- Contributed to the development and maintenance of multiple microservices within the company, including building key services from the ground up, adding new features, and ensuring ongoing performance and scalability improvements

Software Engineer   Workspace Infotech Limited   **Sep 2021–Feb 2023**
Dhaka, Bangladesh

- Built 4+ web applications with React and Next.js from the ground up as the Lead Front End Developer.
- Collaborated closely with both UI/UX and API teams to build web applications that have scaled to 1000s of users and scored more than 90% in lighthouse test.
- Spearheaded web application rewrites resulting in 40% decrease in load time and more accessible experience for the end users.
- Mentored 5+ colleagues on React and helped them on board projects.

Full Stack Developer   Oiiu   **July 2020–August 2021**
Dhaka, Bangladesh

- Developed and maintained a GraphQL and Next.js e-commerce platform that scaled to 1000s of users.
- Built internal tools that lead to 20% increase in user engagement, facilitated order tracking and analytics.
- Spearheaded moving the backend from a monolithic GraphQL Server to a Mesh GraphQL Server built on top of BigCommerce

Technologies and Languages

- Languages: Typescript, Javascript, Python

- Front End Technologies: React, Next.js, Redux, HTML, CSS, Styled Components, Tailwind, Angular, React Query, Apollo Client

- Back End Technologies: Node.js, Apollo Server, Express, NestJS, GraphQL, FireStore, MongoDB, FastApi, Postgres, SqlAlchemy, Pydantic

- DevOps: GCP, Cloud Function, Cloud Storage, Firebase, Docker

- Other: Jest, Cypress, Figma, JIRA

Projects

- **Corpus Hub** - A platform for managing various inter connected data extraction platforms and methods including Crawler management, Dataset management and Bengali Dictionary
- **Information Retrieval**: Bengali Searching platform.
- **Label Hub** - A platform for data extraction and analysis for NLP and Machine Learning.
- **Merchaint -** Modern frontend design principles and concepts with React and Next.js. Concepts include SSR, Client Side Caching, Session Management and Multi level Authorization. See the website here.
- **Wearit -** A multi vendor E-Commerce platform. A complete e-commerce solution with features like Coupon, Discount, User Points, Bulk and Wholesale products and much more.

Education and Certifications

- **B.Sc. Computer Science & Engineering,** North South University, Dhaka. **2015–2019**
- **Front End Engineer in React Certification,** Mangtas **2022**

Interests

- I am an avid reader and film buff. I also like to read about and try out new cutting edge web applications features.