

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

## Work Experience

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<b>Senior Frontend Developer</b>	InfinitiBit Limited Dhaka, Bangladesh	<b>March 2025–Present</b>
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- Lead front-end architectural design and technical direction on various projects as Lead Front-end Developer
- Spearheaded development for complex web based tools for some of the largest companies in the world.
- Built scalable backend using FastApi, postgresql, mongodb, redis and various other tools
- Establish build processes, automated testing, and asset management
- Mentored and guided frontend developers, fostering a culture of technical excellence, collaboration, and continuous improvement.
- Collaborated in Agile sprints for rapid prototyping, iterative delivery, and team alignment.

<b>Software Engineer</b>	Giga Tech Limited Dhaka, Bangladesh	<b>March 2023–March 2025</b>
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- 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

<b>Software Engineer</b>	Workspace Infotech Limited Dhaka, Bangladesh	<b>Sep 2021–Feb 2023</b>
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- 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.

<b>Full Stack Developer</b>	Oiiu Dhaka, Bangladesh	<b>July 2020–August 2021</b>
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- 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

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- Languages: Typescript, Javascript, Python
- Front End Technologies: React, Next.js, React Flow, 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

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- **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

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

## Interests

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