Afshin Nahian Tripto

Software Engineer

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Profile | The joy of learning always thrills me. I am a responsible and enthusiastic person who loves to take the product ownership. I am proficient in TypeScript/JavaScript with a strong foundation in front-end and back-end technologies. Passionate about AI & Retrieval-Augmented Generation (RAG) applications

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SKILLS

- **Languages**: TypeScript, JavaScript, Go, Python, Java
- **Frontend**: Next.JS, React
- **Backend**: Node.js, Nest.js, Go, Strapi JS
- **Databases**: MySQL, PostgreSQL
- **Mobile/ Cross Platform**: React Native
- **CI/CD**: Docker, GitHub Actions, Render, Netlify, Firebase, Supabase, AWS
- **CMS**: Strapi, WordPress
- **Others**: Framer Sites, WebFlow, Microsoft PowerPoint

EXPERIENCE

▶ **Software Engineer,** REDQ Technologies Ltd.(Dhaka, Bangladesh)   **Apr, 2024 – Present**

Tech Stack: **Typescript , Next.js, React, Node.js, Redis, BullMQ, PostgreSQL, Python**

■ **Product: TrueBeep (AI powered all-in one marketing platform)**

- Adopted Next.js **App Router**, **Server Actions**, and **React Server Components** to optimize routing and server-side rendering.
- Integrated **7+** third-party platforms (e.g., **Instagram**, **TikTok**, **Canva**, **Unsplash**) for seamless digital content creation and sharing.
- Hands on experience working with **Meta Platform APIs** (Facebook, Instagram, WhatsApp)
- Engineered event-driven workflows with **Redis** and **BullMQ**, improving background task processing efficiency.
- Developed real-time collaboration features via WebSocket (Socket.IO),vastly reducing user latency by **~40%**.
- Built dynamic, responsive UIs with **Tailwind CSS** and **TypeScript**, ensuring type-safety and cross-device consistency.
- Delivered production-grade **AI RAG (Retrieval-Augmented Generation)** application experiences in customer-facing tools.

▶ **Senior Full Stack Engineer,** Provision Capital (Texas, USA)   **Apr, 2024 – Present**

Tech Stack: **Typescript , React, Refine , Strapi, Next.js, MySQL**

■ **Product**: **Bynderz(Task management application catered towards hotel industry)**

- Built a **Kanban-style** task management interface using React and **Ant Design**, improving task visibility and user engagement.
- Integrated secure authentication via **Google SSO** and **JWT**, streamlining login flow for end-users.
- Connected dynamic UI with **Strapi CMS APIs** to perform reliable CRUD operations on task and content data.

■ **Product**: <u>**JFloor(Jewelry auction platform)**</u>

- Implemented **React Server Components** and **Next.js App Router** to streamline client-server rendering, reducing load times by **~30%.**
- Integrated **Server Actions** for efficient network communication with **Strapi CMS**, improving API response handling.
- Delivered responsive, accessible UI using **Tailwind CSS** and **Shadcn/UI**, enhancing user engagement across devices.

■ **Product**: <u>**Habbah(Automatic charity donation platform)**</u>

- Developed a modular, user-friendly admin dashboard using **React** and **Ant Design**, improving task flow efficiency for end users.
- Integrated **Strapi CMS APIs** to support seamless CRUD operations, enabling dynamic content and data management.
- Implemented secure authentication using **Google SSO** and **JWT**, enhancing login reliability and user onboarding.

▶ **Frontend Developer**, Edison Communication Ltd. (Dhaka, Bangladesh)   **Jun, 2023 – Apr, 2024**

Tech Stack: Next.js, React, Typescript, Node.js

■ **Product:** <u>**WebManza(Drag & Drop E-Commerce Builder)**</u>

- Improved **SEO** performance by leveraging **Next.js server-side rendering (SSR)**, boosting page indexability and load speed.
- Built efficient data-fetching and caching layers using **Redux** and **RTK Query**, reducing redundant network calls by **~40%.**
- Various E-commerce specific API implementation and feature development
- Focus on next-gen **React** & **Next.js** Features (**SSR** etc.)
- Used **Strapi CMS** as a headless CMS for small to medium portfolio sites

▶ **JavaScript Developer**, Delivery Hobe (Dhaka, Bangladesh)   **Oct,2021 – May,2023**

Tech Stack: Next.js, React, Typescript, Node.js

■ **Product:** <u>**DeliveryHobe (E-Commerce)**</u>
- Emphasis on **modern React** principles (hooks, functional components and reusable components)
- Handled application state using **Redux**
- Developed robust routing structure using **Next.js**

■ **Product:** <u>**AdsHobe (B2B Platform for Ads)**</u>
- **Architected** the frontend from scratch using **Next.js**, establishing a scalable and **modular codebase**.
- Ensured type safety and code reliability across the app by leveraging **TypeScript**.
- Implemented secure user authentication using **JWT** and **Redux**, supporting protected routes and session persistence.
- Applied modern React patterns (hooks, functional components) to build clean, reusable UI logic.

■ **Product: Rider App**
- Made an app for the delivery mans using **React Native**
- Ported vanilla React Native app to **Expo**
- **Redux** was used for managing the state

▶ **Founder**, BUTEX NoteBot   **Sep,2018 - Present**

Tech Stack: **JavaScript, Node.js, MySQL, Go**

■ **Product: BUTEX NoteBot(Educational Content Delivery Chatbot)**

- Designed and implemented backend architecture using **Node.js** and **Express**, supporting scalable API services.
- Built webhook-driven chatbot functionality via **Messenger Platform SDK**, enabling real-time user interaction.
- Developed and deployed analytics APIs using **Go**, storing structured insights in a **MySQL** database for efficient querying.

■ **Product: BUTEX NoteBot(Web)**

- Designed and developed the web interface for BUTEX NoteBot using **React** and **Tailwind CSS**

OPEN–SOURCE CONTRIBUTIONS

■ **simple-messenger-blocks**

This NPM package generates common messenger chatbot blocks(buttons, texts, images, cards, grouped button containers)

■ **ts-stats**

Helpful utility functions for basic statistical operations for JavaScript/TypeScript

■ **bang-utils**

Lightweight JavaScript/TypeScript utility library for converting English numerals and dates to Bengali

CERTIFICATIONS

■ **Software Architecture Foundations,** LinkedIn

■ **The AI Engineer Path,** Scrimba

■ **AI Agents Fundamentals,** Hugging Face

■ **Ethical Hacker,** Cisco

■ **Introduction to SQL,** Simplilearn

EDUCATION

M.S. Computer Science

United International University, Bangladesh
GPA: 3.93*   *(Currently pursuing)*

B.S. Industrial Engineering

Bangladesh University of Textiles, Bangladesh
GPA: 3.75