Shafin Ahmed

A versatile full-stack software engineer with more than 3 years of experience

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Experience

Software Engineer

ARITS Limited

Present

Baridhara DOHS, Dhaka

Spearheaded the development of sophisticated, responsive user interfaces, integrating advanced features like real-time data synchronization, global state management, and multi-factor authentication. Collaborated with backend developers, planning and building system architecture. implementing Tanstack Query for seamless database interactions, leading to improved data consistency and query performance. Integrated Stripe payment gateway into various projects. Implemented notification and messeging services on the frontend. Helped developing microservices for modular architecture, applying encryption techniques for secure data transactions. Streamlined deployment workflows by containerizing applications with Docker, achieving a 50% reduction in deployment time.

Junior Software Engineer

ARITS Limited

Sept 2022 – June 2024

Baridhara DOHS, Dhaka

Designed over a dozen of complex and responsive UIs, implementing advanced features like global state management and authentication systems. Built multiple Frontend reusable components using Next.js, applied cryptography for data security. Containerized applications with Docker, enhancing full-stack development capabilities for over 40% of deployments.

Internship Trainee

ARITS Limited

June 2022 - Sept 2022

Baridhara DOHS, Dhaka

Developed web applications with Next.js, emphasizing server-side rendering and crafting engaging user interfaces using versatile animation libraries. Gained hands-on experience in building and integrating RESTful API endpoints while managing data fetching and state with modern front-end libraries. Additionally, developed backend services and REST APIs using Laravel, integrating Elasticsearch for optimized data querying and retrieval.

Technical Skills

Languages: Javascript, Typescript, PHP, Python, Java, C, C++, C#, HTML, CSS

Databases: MySql, Postgresql, MongoDB, Elasticsearch, GraphQL

Framework & Library: Laravel, NextJS, ReactJS, Tailwindcss, Django, NestJS, NodeJS

Technologies: JIRA, Git, Docker, Turborepo, Headless Wordpress, Zustand, Redux, Context API, TanStack Query, Puppeteer

Projects

HRMS (In-house Product) | *Next.js 15* | *Typescript* | *Cryptography* | *Tanstack* | *Tailwindcss* | *ShadCN* | *TurboRepo*   Present

- **Frontend Development:** Architected and developed the frontend codebase for an HRMS web app using Next.js 15, implementing best practices for scalable and maintainable code structure.
- **Single Sign-On (SSO):** Designed a secure login flow with middleware to share encrypted cookies across subdomains, enabling seamless user authentication across multiple modules without repeated logins, redirecting invalid users to the main module's login page.
- **Optimized Codebase with Turborepo:** Utilized Turborepo to create and publish shared packages for common functions, reducing code duplication and enhancing maintainability across the project.
- **API Integration:** Spearheaded API consumption using TanStack Query, ensuring efficient data fetching and state management across the application.
- **Enhanced Security:** Implemented cookie encryption to secure user data and maintain session integrity across subdomains.

- **Developed Custom Components:** Built reusable and dynamic UI components, including a Dynamic Form Builder, Weekly Routine Builder, Custom Calendar Routine, Attendance Clock In-Out, and Attendance Report UI, improving user experience and functionality.

Datafast | Fullstack | *Laravel* | *MySql* | *Electron* | *Next.js 14* | *Typescript* | *Puppeteer* | *Docker*   Present
- **Data Normalization:** Enhanced data handling and performance with effective frontend normalization techniques.
- **Automation:** Integrated seamless web automation using Puppeteer for efficient browser-based task execution
- **Infrastructure:** Designed and developed the entire system from scratch, wrapping the application with Electron for seamless desktop deployment.
- **Design:** Implemented Tailwind CSS and ShadCN, enhancing UI consistency and development efficiency.

calternatives.org | Fullstack | *Headless Wordpress* | *GraphQL* | *ACF* | *SEO* | *Next.js 14* | *Typescript* | *Docker* | *SSG* | *SSR*   Jan 2025
- **Data Normalization:** Enhanced data handling and performance with effective frontend normalization techniques.
- **Headless WordPress Integration:** Integrated WordPress with GraphQL and ACF for flexible content management and efficient data retrieval, resulting 70% increase in development speed
- **Technical SEO:** Applied sitemap, robots configuration and technical SEO best practices to boost visibility and search engine performance by 65%
- **Design:** Implemented Tailwind CSS and ShadCN, enhancing UI consistency and development efficiency.

aritsltd.com | Fullstack | *Headless Wordpress* | *GraphQL* | *ACF* | *SEO* | *Next.js 14* | *Typescript* | *Docker* | *Zustand* | *SSG*   Feb 2024
- **Data Normalization:** Improved data management and performance by 30% through frontend data normalization.
- **Requirement Analysis & Development:** Planned and developed project requirements for clear objectives and efficient execution.
- **Headless WordPress Integration:** Integrated WordPress with GraphQL and ACF for flexible content management and efficient data retrieval, resulting 40% increase in development speed
- **Technical SEO:** Applied sitemap, robots configuration and technical SEO best practices to boost visibility and search engine performance by 45%

sheraa.network | Fullstack | *Headless Wordpress* | *GraphQL* | *ACF* | *SEO* | *Next.js 14* | *Typescript* | *Docker* | *SSG* | *SSR*   Dec 2023
- **Data Normalization:** Enhanced data handling and performance with effective frontend normalization techniques.
- **Headless WordPress Integration:** Integrated WordPress with GraphQL and ACF for flexible content management and efficient data retrieval, resulting 40% increase in development speed
- **Technical SEO:** Applied sitemap, robots configuration and technical SEO best practices to boost visibility and search engine performance by 45%

merlinapp.co.uk | Front-end | *Next.js 13, Docker, Cryptography, Microservice, Tanstack Query, Context API*   Mar 2023
- **Dynamic Form Builder:** Created a flexible form builder for adding fields, selecting data types and validation
- **Frontend Data Normalization:** Applied data normalization to streamline handling and enhance performance.
- **API Integration:** Integrated APIs, Utilizing Tanstack Query for smooth data exchange between frontend and backend and data caching, resulting 50% increase in data fetching

CERTIFICATIONS

Responsive Web Development, CodersTrust   Dhaka, Bangladesh
Mar 2020

EDUCATION

Computer Science and Engineering, American International University-Bangladesh   Dhaka, Bangladesh
Bachelor of Science – 3.58/4   *Jan 2018 – April 2022*
Thesis: Machine Learning: Train AI to detect sentiment in a sentence

REFERENCES

Arifur Rahman, Senior Software Engineer & Team Lead, ARITS Limited
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