



Md Irfanul Alam

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SUMMARY

Innovative Software Engineer with 4 years of experience in full-stack development and deployment automation at My Offer 360 Degree (Orangetoolz). Engineered scalable RESTful APIs with NodeJS, and optimized deployments through Docker containerization. Seeking a Software Developer role to drive seamless application delivery and enhance user interface experiences through expertise in React, NextJS, and Docker integration.

EXPERIENCE

Software Engineer | My Offer 360 Degree (Orangetoolz)

September 2021 - Present, Uttara 10, Dhaka, Bangladesh

- Initialized CI/CD pipeline using Docker to automate deployment.
- Develop intuitive, user-friendly interfaces in React/NextJS, ensuring a seamless and responsive experience across platforms.
- Collaborate cross-functionally with design teams to bring mockups and prototypes to life with accurate implementation.
- Create reusable, modular frontend components using Styled Components and Material-UI (MUI) to ensure consistency and scalability.
- Integrate frontend components with backend functionalities, working closely with backend engineers to ensure smooth communication and data handling.
- Implement responsive layouts using Tailwind CSS to ensure cross-device compatibility and performance optimization.
- Conduct comprehensive unit testing and end-to-end testing with Cypress, ensuring high-quality, bug-free code and improved maintainability.
- Perform code reviews and collaborate with the team to adhere to best practices, enhancing code quality and project efficiency.
- Engage with clients regularly to gather project requirements, provide progress updates, and offer technical insights to meet business goals.
- Optimize backend processes by implementing Nest.js frameworks and leveraging Prisma ORM to enhance database queries.
- Monitor and resolve performance bottlenecks to ensure the smooth deployment and operation of applications across various environments.
- Contribute to Docker containerization of both frontend and backend applications, ensuring seamless local development and deployment processes.
- Engineered scalable RESTful APIs with NodeJS, achieving a 30% performance increase using Express and MongoDB for database management, ensuring real-time data processing.

Mobile Application Developer | My Offer 360 Degree (Orangetoolz)

June 2021 - August 2021, Uttara 10, Dhaka, Bangladesh

- Hands-on experience in React-Native and Firebase during Mobile Application Developer Internship.
- Crafted user-friendly UI, optimizing mobile app experiences.
- Implemented robust design patterns, ensuring seamless user interactions.
- Enhanced application functionality through efficient API integration.
- Leveraged React-Native for cross-platform development, maximizing reach and efficiency.

PROJECTS

Agency Framework | My Offer 360 Degree(Orangetoolz)

- Engineered a multi-functional digital marketing platform by integrating GeoGrid, SecretShop, Ranking, Schema, and Reputation into a unified solution, enhancing service delivery efficiency
- **Technology Stack:** React.js, Typescript, Redux(RTK Query), Material UI, Node.js, TypeScript, Nest.js, PostgreSQL, Sequelize, Prisma, Socket.io, Redis, Docker, Rollbar, Grafana, RabbitMQ, ETL(Prefect), Cube.js, Nginx.
- **Schema:** Generates accurate schema markup data for webpages and validates it using a schema validator, improving search engine visibility, providing more informative search results, and enhancing overall organic search performance.
- **Secretshop:** Discreetly investigates client activities, enabling agencies to gather valuable insights covertly. This tool operates in stealth mode, generating detailed reports based on the collected data
- **Geogrid:** Utilizes SEO strategies and third-party APIs like Veluserp to analyze a local business's position on search engines and maps. It suggests keywords for improved ranking.
- **Report Builder:** Generates insightful reports by analyzing Google Ads and Facebook Ads data, including metrics like cost per lead. These reports help agencies optimize their advertising campaigns and make data-driven decisions.
- **Web Utility:** The Web Utility Project is a comprehensive web application tool designed to help website owners and administrators manage and monitor their websites effectively. It offers features such as live domain checking, plugin checking, SSL expiry checking, website performance monitoring, and broken page

checking. Additionally, the tool enables users to compare the current website design with a base design (like Figma) and receive alerts for critical differences, ensuring that their website is secure, performs optimally, and provides a seamless user experience.

- Engineered the Agency Framework, a robust system facilitating efficient project management, client communication, and performance analytics, increasing agency productivity by 40% using React.js, Node.js, and PostgreSQL.

Comm Manager | My Offer 360 Degree(Orangetoolz)

February 2025 - Present

- The **Comm Manager** (also referred to as the **Email and Report Generator**) is a specialized web application designed to streamline post-meeting workflows for employees, such as Account Managers and Project Managers. The system acts as a central hub that processes meeting data to automate client communication and internal task management.
- **Key System Components:**
- **Input Handling:** The system ingests meeting transcripts from various sources, including direct Zoom integration, Twilio call recordings, manual VTT file uploads, and direct text input.
- **AI Processing:** It utilizes AI to format transcripts, generate intelligent email recaps, and extract actionable insights.
- **Integration Layer:** The application bridges the gap between communication tools and project management by integrating directly with **Zoom, Twilio, ClickUp, Slack, and Gmail**.
- **Architecture:** The project is built using a **Next.js** frontend, **FastAPI** backend, and **PostgreSQL** database, with **Python Prefect** handling ETL orchestration.
- Engineered a centralized web application that automated post-meeting communications and task assignment by integrating transcript ingestion, AI-driven recap generation, and seamless connectivity with major collaboration and project management platforms.

SKILLS

Languages: JavaScript, TypeScript, Python, C#

Frontend: React, Redux(Saga, Toolkit), React Hook Form, Next.js

Backend: Node.js, Express, Nest.js, Fast API

Design: CSS, SCSS, Material Ui, Tailwind CSS

Databases: MySQL, PostgreSQL

ORM/ODM: Sequelize, Prisma, SQLAlchemy

DevOps: Docker

Test: Jest, Cypress

Others: Prefect (ETL Service)

CERTIFICATIONS

Web Development in Asp. Net | BITM

2018

- Completed a comprehensive course on ASP.NET at BASIS, focusing on web and desktop application development. The course covered essential topics including ASP.NET, .NET Core, Entity Framework, jQuery, and CSS. Developed a web application and a desktop application project as part of the course, gaining hands-on experience in building robust and dynamic applications using ASP.NET technologies.

EDUCATION

B.Sc(Hon's) in Computer Science & Engineering | BGC Trust University Bangladesh

Minor in Problem Solving, 3.40, Chandanish, Chittagong, Bangladesh, 2020

Higher Secondary School Certificate | Kulgaon City Corporation College

Minor in Science, 3.50, Kulagon, Jalalabad, Chittagong, 2016

Secondary School Certificate | Kulgaon City Corporation High School

Minor in Science, 4.25, Kulagon, Jalalabad, Chittagong, 2014

Junior School Certificate | Kulgaon City Corporation High School

3.89, Kulagon, Jalalabad, Chittagong, 2012

INVOLVEMENT

IEE | BGC Trust University Bangladesh | Campus Member

January 2025 - December 2025

- Revamped operational workflows to streamline processes and drive measurable improvements in overall productivity.

Program Secretary | Bgc Trust University, Bangladesh | Alite Computer Stream

January 2018 - July 2019
