Syed Aitezaz Imtiaz

Software Engineer

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Education

Master's of Computer Science (MCSC) — 09/2024 – present
University of New Brunswick — Fredericton, Canada

Majors: Cryptoanal & Database Security, Natural Language Processing, Software Requirements Analysis

Bachelor's of Computer Science — 2019 – 2023
(SEECS), NUST — Islamabad, Pakistan

Majors: Object Oriented Programming (OOP) - Data Structures and Algorithms - Databases - Artificial Intelligence - Computer Networks - Network Security - Natural Language Processing - Software Engineering

Experience

Chirp Technologies — 08/2023 – 08/2024
Front End Developer — Lahore, Pakistan

- Leveraged Next.js, TypeScript, and Tailwind CSS to craft responsive and user-friendly interfaces
- Created multiple admin panels using React and Next JS which enhance administrative control and user management
- Utilized the power of ShadCN to use highly customizable components resulting in significant savings in development time
- Optimized data retrieval from APIs using React Query ensuring enhanced performance and data caching mechanism
- Integrated both RESTful and GraphQL APIs to broaden the scope of data accessibility and interaction
- Fostered collaboration within the team environment, utilizing version control systems like Git to facilitate efficient code management

Devaxl — 12/2022 – 02/2023
Junior Software Developer — Lahore, Pakistan

- Designed and built a Patient Appointment Management app using Vue JS improving patient scheduling and management efficiency.
- Streamlined development of the app's interface by leveraging the Quasar framework.
- Demonstrated HTML, CSS, and JavaScript expertise resulting in an responsive and accessible user interface.

Projects

BB Event Smart 🔗 — 08/2023 – 07/2024
Next JS, Typescript, Nest JS, Postgresql, GraphQL

- Developed front-end of BB event management web app using Next JS and created different modules for purchasing tickets and managing events simplifying event management process
- Create re-usable common components by utilizing ShadCN, Radix, and Tailwind CSS resulting in saving development time
- Integrated Stripe for ticket purchasing and business account onboarding for organizers to ensure seamless financial transactions
- Integrated GraphQL with the frontend, resulting in enhanced performance and streamlined data handling

Vet your pep 🔗 — 11/2023 – 07/2024
Next JS, Typescript, Nest JS, Postgresql, GraphQL

- Developed and integrated a community management web app leveraging GraphQL APIs enabling smooth community interactions
- Implemented a robust Authentication and Authorization system to ensure data security and user privacy

- Engineered social media features including post creation, likes, and comments to ensure user engagement on the platform
- Integrated third-party services such as Sendbird for real-time chat messaging to facilitate user communication

Off Road Lodge 🔗   11/2023 – 01/2024
Next.js, Tailwind CSS, Typescript
- Created a responsive and user-friendly front end using Next JS and TypeScript.
- Leveraged ShadCN/UI for developing reusable components.
- Integrated Google Maps to display multiple cabin locations based on the user's current location.

Emax 🔗   09/2023 – 08/2024
React JS, PHP Laravel, Tailwind CSS
- Developed front-end of the Emax App using React.js providing real-time e-vehicle battery status updates.
- Created an admin panel for IoT device activation inventory management ensuring efficient device management.
- Created multiple applications to monitor different sensor's real-time data using the Laravel Echo npm package

Technical Skills

JavaScript │ React JS │ Next JS │ MySQL │ Typescript │ Tailwind │ Firebase │ React Query

Activities

Google Developers Student Club - NUST   09/2022 – 05/2023
Lead SMM
As the Team Lead for Social Media Marketing at GDSC, NUST, I spearheaded the entire social media strategy and execution. My role included organizing and promoting major events such as Bootcamp 101 and CodeFest, ensuring their success and high engagement

FICS - NUST   04/2020 – 02/2021
Executive SMM
As a Media Executive for FICS (Finding Innovative & Creative Solutions), an international competition celebrating groundbreaking ideas and optimized solutions, I ensured comprehensive coverage for every event, highlighting the innovation and creativity at the heart of the competition

Certificates

Next.js 14 & React - The Complete Guide 🔗
- Thoroughly reviewed React concepts, focusing particularly on advanced hooks and component life cycles, to enhance proficiency in front-end development.
- Acquired expertise in app and page-based routing in the latest version 14 of Next.js, a leading React framework, to optimize navigation and user experience.
- Expanded skill set by delving into backend development using Next.js, facilitating comprehensive full-stack web application development.

Learn Ethical Hacking from Scratch 🔗
- Conducted the setup and installation of Kali Linux, a leading platform for penetration testing and ethical hacking.
- Acquired proficiency in utilizing various ethical hacking tools to assess system vulnerabilities and enhance cybersecurity measures.
- Gained expertise in advanced security concepts and techniques, enabling the identification and mitigation of potential vulnerabilities and cyber threats.