

Syed Aitezaz Imtiaz

Software Engineer

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Education

Master's of Computer Science (MScS)

University of New Brunswick

Majors: Cloud Information Management Systems, Natural Language Processing, Software Requirements Analysis, Software Security

09/2024 – present
Fredericton, Canada

Bachelor's of Computer Science (BScS)

National University of Science and Technology

Majors: Object Oriented Programming (OOP) - Data Structures and Algorithms - Databases - Artificial Intelligence - Computer Networks - Network Security - Operating Systems

2019 – 2023
Islamabad, Pakistan

Experience

Chirp Technologies

Front End Developer

- Used Next.js, TypeScript, and Tailwind CSS to develop responsive and user-friendly interfaces
- Developed reusable components using ShadCN, reducing development time by 40%
- Implement React Query for optimized data fetching and caching strategies, improving application performance by 30%
- Integrated both RESTful and GraphQL APIs for enhanced data accessibility

08/2023 – 08/2024
Lahore, Pakistan

Devaxl

Junior Software Developer

- Designed and built a Patient Appointment Management application using Vue.js
- Streamlined development of the app's interface by utilizing the Quasar framework.
- Demonstrated HTML, CSS, and JavaScript expertise resulting in a responsive and accessible user interface.

12/2022 – 02/2023
Lahore, Pakistan

Projects

BB Event Smart

Next JS, Typescript, Nest JS, Postgresql, GraphQL

- Developed a comprehensive event management platform with ticket purchasing capabilities
- Create re-usable common components by utilizing ShadCN, Radix, and Tailwind CSS resulting in saving development efforts by 40%
- Integrated Stripe payment processing and business account onboarding

08/2023 – 07/2024

Vet your pep

Next JS, Typescript, Nest JS, Postgresql, GraphQL

- Built a community management platform with a robust authentication system
- Implemented social media features including post creation, likes, and comments to build user engagement on the platform
- Integrated real-time messaging and group chats using Sendbird

11/2023 – 07/2024

Emax

React JS, PHP Laravel, Tailwind CSS

- Developed user interface for IoT-based application for tracking e-vehicle battery charging management system
- Created an admin panel for sensor activation and inventory management leads to reduced manual work by 50%
- Developed multiple modules to monitor the sensor's real-time data using the Laravel Echo npm package

09/2023 – 08/2024

CloudCart

Cognito, API Gateway, Lambda Functions, DynamoDB, S3 Bucket, CloudWatch

- Designed and implemented comprehensive serverless architecture using AWS Lambda, API Gateway, and DynamoDB, reducing infrastructure costs by 40%

09/2024 – 12/2024

- Developed 15+ RESTful endpoints using API Gateway for core e-commerce functions including product search, dynamic filtering, and catalog management
- Built modular Lambda functions with Node.js, implementing shared layers for common utilities and AWS SDK integrations

Skills

JavaScript | React JS | Next JS | MySQL | Typescript | Tailwind | Firebase | React Query | AWS | Node JS | Express JS | MongoDB | Git & Github | CI/CD

Volunteership & Activities

Wu Conference Center - UNB 09/2024 – present
Assistant Conference Organizer

- Managed end-to-end booking operations for Wu Conference Center using Kx Live Software
- Streamlined event scheduling process for 50+ monthly on-campus events


Google Developers Student Club - NUST 09/2022 – 05/2023
Lead SMM

- Led social media strategy resulting in 50% increase in event participation
- Successfully organized and promoted major events including Bootcamp 101 and CodeFest


FICS - NUST 04/2022 – 02/2023
Lead Web & IT

- Led and mentored a team of 10 IT executives for an international innovation competition
- Managed comprehensive database system for tracking 100+ startup portfolios


Certifications

AWS Certified Solutions Architect - Associate 

- Demonstrated expertise in designing distributed systems and deploying scalable applications on AWS
- Mastered core AWS services including EC2, S3, RDS, Lambda, API Gateway, SNS, SQS, ECS, IAM, and CloudFormation
- Developed proficiency in implementing security controls, managing costs, and optimizing cloud infrastructure
- Applied best practices for high availability, fault tolerance, and disaster recovery in cloud architectures

Ethical Hacking 

- 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.

Next.js 14 & React 

- 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.