Mohammed Imran

<div align="right">Software Engineer</div>

Experienced Software Engineer with over 3 years of expertise in leading teams and developing Single Page Applications and implementing Object-Oriented Design patterns. Strong inclination towards learning new technologies and skills, and I am committed to mastering Testing methodologies such as Test-Driven Development and Domain-Driven Analysis Design. Additionally, I possess proficient knowledge in Cloud administration and other emerging technologies in the Cloud computing space. As a DevOps practitioner, well-versed in the best practices of Continuous Integration and Delivery, ensuring innovation and reliable software delivery.

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Key Skills

Front-end	Database
- Html5, CSS, Javascript/ES6, Typescript, Boostrap 3/4/5, Tailwind CSS. - React JS, NEXT JS, Redux JS, Angular. - RESTful APIs, JSON, XML, GraphQL.	- SQL - Sql server, MySQL, Postgres DB. - NoSQL - MongoDB, Firebase, Supabase. - Mongoose JS, Entity Framework, Pymongo.
Back-end	**DevOps**
- Node JS, C#.NET, Python, JAVA, JQuery. - Express JS, ASP.NET, Flask, Django.	Azure DevOps, Gitlab, GitHub Actions, Heroku and Vercel.
Testing	**SDLC**
NUnit, Enzyme, Jest, Jasmine, Mocha, and Chai.	- Wireframes, UML diagrams, Balsamiq cloud. - OOPS, Design patterns.

Cloud Technologies	Tools
• Microsoft Azure, Google Cloud Platform, Open Stack private cloud, and AWS.	• Visual Studio 2022, Visual Studio Code, SSMS, and PyCharm.

WORK EXPERIENCE

Software Engineer	**May 2023 - Present**
Naten LLC	Chicago, IL

- Developed and maintained MERN stack web applications, improving performance by 30%. These apps served 10000 monthly users and processed 50000 transactions monthly.
- Designed RESTful APIs with < 100ms response time, enhancing system efficiency by 20% and reducing frontend load times by 15%
- Leveraged AWS for deployment, resulting in 40% lower infrastructure costs and 99.99% uptime.
- Utilized Auto Scaling and Load Balancing for optimal performance. Integrated third-party APIs with metrics, boosting user engagement by 25%, monthly active users by 15%, and customer retention by 10%.
- Collaborated with cross-functional teams including designers, product managers, and QA engineers to deliver high-quality software solutions on time and within budget.
- Developed software solutions for CNC machines, including tool path optimization, motion control algorithms, and real-time monitoring systems.

GDSC Lead	**June 2022 - May 2023**
Google	Chicago, IL

- Organized events under my leadership with a community of student developers, focusing on technical activities and projects.
- Collaboration with DSC leads to plan events, mentor students, and foster partnerships with local tech companies.
- Arranged a series of workshops technical and non-technical which were attended by over 80 graduate and undergraduate students from across the university.

Full Stack Web Developer	**May 2021 - Dec 2021**
FFUN Motors Canada	Hyderabad, India

- Drove impactful improvements by overhauling requirements gathering processes and leading UI/UX validation initiatives for a leading Canadian automobile company.
- Managed extensive datasets encompassing vehicle specifications and customer demographics, resulting in actionable insights that significantly influenced strategic decision-making.
- Established coding standards, improving codebase unification and maintainability.
- Designed databases and data schemas, integrating RESTful and SOAP-based APIs.
- Developed features using AngularJS, Java Springboot, and Linux, resulting in multiple bug-free releases.
- Documented solution architecture, improving system scalability and reducing development costs by 42%.
- Implemented database schemas and queries for efficient data storage and retrieval using MySQL.

Full-Stack Web Developer	**Jan 2021 - April 2021**
Red Health	Hyderabad, India

- Developed a progressive web application for Employee Management SystemIntegrated RESTful APIs, designed a user dashboard, and utilized AngularJs, Material UI.
- Extracted data from SQL and GraphQL APIs, building RESTful APIs with JWT-based authentication using Java Spring Boot.
- The application made the Employee Management System 10% more efficient, 23% more user-friendly, and 5% more secure.

Personal Projects

Full Stack E-commerce Website

- This project showcases the development of a robust and scalable e-commerce website utilizing the latest features of Next.js 13 and the powerful capabilities of Strapi CMS.
- The project focuses on delivering an exceptional user experience through server-side rendering (SSR) and static site generation (SSG), ensuring fast loading times and optimal SEO performance.
- Implemented dynamic routing to create seamless navigation within the application and provide personalized user experiences.
- Demonstrated the seamless integration of Strapi APIs with Next.js to fetch and display dynamic content on the frontend.

- Implemented Redux for state management and utilizing its best practices to implement complete cart functionality, including adding, updating, and deleting items.
- This project serves as a testament to my proficiency in utilizing modern web development technologies like Next.js 13, Tailwind CSS, Strapi CMS, and Redux to create high-performance, feature-rich e-commerce applications that meet the demands of today's digital landscape.
- Hosted on Vercel Url - https://nike-clone-frontend-seven.vercel.app

Music Streaming Application

- The Musica Application is a sleek, high-performance music streaming app built using the latest web technologies: React.js for the frontend framework, Vite for blazing-fast build tool and development environment, and Tailwind CSS for modern, utility-first styling.
- This combination ensures a seamless user experience with quick load times, responsive design, and an intuitive interface.
- It combines cutting-edge technology with user-centric design to deliver an unparalleled music listening experience.
- Whether you're creating playlists, discovering new artists, or simply enjoying your favorite songs, this app provides all the features you need with the performance and style you expect.
- Hosted on Vercel Url - https://music-app-eta-five.vercel.app/

Machine Learning- Recommendation System

- Developed a personalized recommendation system using collaborative filtering and deep learning techniques.
- Utilized Python, Tensor Flow, and Scikit-Learn to analyze user behavior and provide tailored recommendations for movies, music, and products.
- Achieved a 20% improvement in recommendation accuracy through fine-tuning and model optimization.

Cyber Security Research Project

- Conducted research on emerging cyber security threats and vulnerabilities.
- Developed a novel intrusion detection algorithm using machine learning techniques.
- Presented research findings at cyber security clubs and contributed to academic publications.

Education

Masters Computer Science Governors State University	**JAN 2022 – MAY 2023** Chicago, IL
Computer Science - Bachelor of Technology Jawaharlal Nehru Technological University	**AUG 2016 - OCT 2020** Hyderabad, India

Certifications

Web Development Certification	**DEC 2020** Madrid, Europe

Languages

1. English
2. Hindi
3. Telugu
4. Urdu