

# HAMZA AHMED MUGHAL

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## Software Engineer

A Software Engineer with strong skills in front-end development. I enjoy working in competitive environments and taking on challenging tasks. I am passionate about delivering optimized and high-quality solutions. I specialize in developing web applications and use my experience to provide effective and innovative solutions.

## SKILLS

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- JavaScript, TypeScript, React JS, Next JS, Redux, Stripe, Socket IO
- HTML, CSS, SCSS, Bootstrap, Tailwind CSS, Styled Component, Material UI.
- Node JS, Express JS, Mongo DB.

## WORK EXPERIENCE

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### AJCL Private Limited

11/2023 -Present

#### Software Engineer

- Responsible for maintaining and developing the front-end development of various management systems projects.
- Initiated and independently managed various in-house departmental projects from inception to completion, delivering successful outcomes across multiple initiatives.
- Implementing projects' maintenance and features according to departmental requirements for enhanced usability.
- Worked on multiple role-based projects, ensuring secure access to respective dashboards validated by backend protocols
- Currently, working individually on the front end of a large-scale government-based parking management system project for the Capital Development Authority (CDA) which recently launched their first version.

### Design Henge

08/2022 - 10/2023

#### Software Engineer - React JS Developer

- Collaborated with backend teams, designers, and other teams to deliver optimal solutions for enhanced user experiences.
- Participate in technical discussions about the structure and Implementation of new modules.
- Developed pixel-perfect designs, UI components, and screens in collaboration with UI/UX designers.
- Wrote code with a strong emphasis on reusability and dynamicity, prioritizing scalability, efficiency, and performance.
- Developed in-house CRMS Web App using MERN stack that incorporates functionalities such as daily attendance tracking, leave application, ticket generation, and employee payroll management.

### Design Henge

07/2021 - 07/2022

#### Associate Software Engineer - React JS Developer

- Responsible for analyzing the requirements of application, testing, deployment, and production maintenance.
- Coordinated and facilitated discussions to ensure a clear understanding and alignment of project objectives.

- Worked with and learned various libraries according to project requirements.
- Integrate Backend APIS and handle the data with the latest state management Redux.

## EDUCATION

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### **Bachelor of Science in Software Engineering**

Sir Syed University of Engineering and Technology

01/2018 – 01/2022

Main **Courses:** Data Structure & Algorithm, Software Requirement Engineering, Software Design & Architecture, Computer Communication & Network, Software Quality Engineering, Web Engineering, Software Project Management, Big Data Analytics

## AWARDS & SCHOLARSHIPS

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### **Awarded Semester Scholarships based on Merit and Semester GPA**

Sir Syed University of Engineering and Technology

### **Awarded two times 2<sup>nd</sup> position in Spelling Competition**

Metropolis Academy

## CERTIFICATIONS

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### **PROJECT MANAGEMENT (AGILE SCRUM)**

Saylani Mass IT Training

### **CERTIFICATE IN INFORMATION TECHNOLOGY**

Skills Development Council Karachi

## PROJECTS

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### **Parking Management System**

In this project, there are two roles: Admin and User. The "User" refers to the employee managing the parking site. When a car arrives, the system scans the vehicle's number plate via a camera, generates a ticket, and assigns a parking spot with an hourly rate. Upon exiting, the ticket is scanned, and the customer can make the payment via a parking app on their mobile. If they are unable to pay online, they can purchase a top-up and pay through it. The admin manages all operations from their end. I developed the entire system, from the UI to frontend logic and implementation, single-handedly.

### **Warehouse Management System**

Worked on a warehouse management system that handles stock inventory management, including stock-in and stock-out operations, as well as tracking the location of items on specific blocks, floors, or pallets. Implemented a system to manage stock in and out operations under established patterns, and generated daily reports.

### **Review my work**

In this project, there are three roles: admin, reviewer, and user. The user registers and selects their category, then posts work related to that category. To have their post reviewed, they pay for a membership with a one-time payment. After posting, a reviewer related to that category reviews the post, answers question, gives ratings and provides feedback. If the user is satisfied, the reviewer is paid \$30 for the review. The admin manages all these processes.