

# Shehzain Hassan

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## SUMMARY

Computer Science graduate with a strong foundation in modern software development and problem-solving. Skilled in full-stack development with core expertise in JavaScript, TypeScript, React, and Node.js, alongside practical exposure to DotNet, and Python. Experienced in designing and building scalable, real-time SaaS-style applications with clean code, secure architectures, and efficient database design. Comfortable working across the stack, from micro services and REST APIs to intuitive frontends and cloud integration.

## EXPERIENCE

### Tech MTO

The Bank of Punjab

November 2025 - Present, Lahore

- Developed web-based enterprise applications using Java.
- Collaborated closely with the QA team to identify and resolve bugs, ensuring high-quality and stable releases.

### Full Stack Web Developer

#### Freelancing

September 2024 - Present, Remote

- Designed and developed BoxCars, a real-time SaaS platform for car auctions and vehicle financing using a multi-service architecture. Built the backend with C# (.NET Core) managing auction workflows, bid processing, and 30+ RESTful API endpoints.
- Developed BFM, a financial dashboard web app using React, TypeScript, Styled Components, and Recharts, enabling interactive data visualization.
- Created Rendera, a responsive jewelry browsing application with modern UI/UX, leveraging React, Styled Components.

### Software Engineer Intern

#### Systems Limited

October 2024 - January 2025, Lahore

- Developed B2C web applications using React (Next.js), Node.js (Express.js), MongoDB, improving performance and scalability.
- Designed JWT and Firebase Authentication, reducing unauthorized access attempts by 40%.
- Contributed to team-based code reviews, refining code quality and aligning implementation with requirements by utilizing Git and best practices

## PROJECTS

### Portfolio

Personal Project • [shehzain-hassan](#)

- Developed a personal portfolio website to showcase projects, skills, and professional experience.
- Built a responsive frontend using React/Next.js and TypeScript, with seamless navigation across devices.

### ProTrackr - Final Year Project Management System

Final Year Project

- Built a full-stack web application using React, Node.js, and MongoDB, serving over 500+ students and faculty.
- Used MongoDB to design project workflows, enabling flexible document storage for submissions, evaluations, and status tracking.
- Implemented role-based access control with Firebase Authentication, reducing manual administrative load by 30%.

## EDUCATION

### Bachelor of Science in Computer Science

FAST - National University of Computer and Emerging Sciences • 3.29/4.00

- Dean's Honor List | Strong foundation in Web Architecture, Databases, OOP, Algorithms.

### A-Level

Lahore Grammar School, Johar Town

- Achieved Straight A's.

## SKILLS

**Languages & Frameworks:** JavaScript (ES6+), TypeScript, C#, Python, Java, React, Next.js, Node.js, Express.js

**Databases:** PostgreSQL, MongoDB, Firebase, SQL Server

**Core Strengths:** OOP, REST APIs, Authorization, Authentication, Database Optimization