

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 building scalable, real-time SaaS applications, designing clean architectures, REST APIs, microservices, intuitive frontends, and cloud-integrated solutions.

EXPERIENCE

Tech MTO

The Bank of Punjab

November 2025 - Present, Lahore

- Developed and maintained web-based enterprise Java applications across 5+ modules, following clean code and OOP principles.
- Developed and integrated 10+ RESTful APIs with frontend components for seamless data flow.
- 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

- Developed a real-time SaaS platform for car auctions using a multi-service architecture, and a C# (.NET Core) backend with 30+ RESTful APIs.
- Developed a financial dashboard web app using React, TypeScript, Styled Components, and Recharts, enabling interactive data visualization.
- Developed a responsive jewelry browsing application with interactive UI components using React.

Software Engineer Intern

Systems Limited

October 2024 - January 2025, Lahore

- Developed B2C web applications using React (Next.js), Node.js (Express.js), DotNet, improving performance and scalability.
- Designed JWT and Firebase Authentication, reducing unauthorized access attempts by 40%.
- Practiced end-to-end software development: from feature ideation to deployment and testing.

PROJECT

Portfolio - Shehzain Hassan

Personal Project

- 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.
- Improved page load performance by ~30% through component optimization and efficient asset handling.

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