

Syed Jawwad Raza

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EDUCATION

National University of Sciences and Technology (NUST) 

Islamabad, PK

Bachelors

August 2018 – June 2022

- **CS Coursework:** Object Oriented Programming (OOP), Digital Logic Design, Fundamentals of Programming, etc.
- **Other Coursework:** Engineering Project Management, Human Resource Management, Technical and Business Writing, etc.

WORK EXPERIENCE

TPS 

Karachi, PK

Senior Software Engineer

Jan 2025 – Present

- Enabled real-time cross-border payments by integrating a remittance processing **.NET application** (Moneta) with **Raast** (Pakistan's first instant payment system) and **Western Union**, ensuring 99.9% uptime.
- **Reduced Active Directory user onboarding time from 8 minutes to just a few seconds** by eliminating redundant LDAP operations.

Avanza Solutions 

Karachi, PK

Software Engineer

July 2023 – Jan 2025

- **Engineered** scalable software solutions using **React**, **Node.js**, and **.NET**, enhancing system efficiency and reducing maintenance overhead by 20%.
- **Accelerated E-Statement processing time by 90%** (from 10 hours to 1 hour) using **asynchronous and bulk processing**, enabling faster financial reconciliations for clients.
- **Optimized feature development cycles by 3x** (15 to 5 days) through **AI-driven tools like GitHub Copilot and Cursor**, improving delivery speed.
- Developed a custom middleware in **.NET** to achieve comprehensive tracking of system activities.
- Integrated Docker containers in the team's workflow, reducing deployment errors by 30% and accelerating release cycles.
- **Resolved critical SVN server failures by reverse-engineering and decompiling deployed code**, preventing downtime for a high-profile client.
- **Led software deployment for 5+ client organizations across local and MENA regions**, ensuring seamless integration and minimal downtime.

Euronet Worldwide 

Karachi, PK

Associate Software Engineer

November 2022 – July 2023

- Maintained financial transaction software, ensuring seamless processing of millions of transactions for top-tier banks.
- Worked on **.NET webservices** and implemented unit testing in C#, resulting in efficient and high-quality code.
- Designed and executed **SQL stored procedures** to enhance database performance and optimize data retrieval.
- Contributed to Pakistan's first secure payment processing system to be integrated with Thales API using **REST** architectures.

SkipQ 

Remote

Full-Stack Trainee

June 2022 – October 2022

- Developed Full Stack Applications using MERN stack and implemented REST APIs.

PROJECTS

Cheque Printing System (as Project Lead at Avanza Solutions)

- Led development of a Cheque Printing System using React (frontend) and Node.js (backend), including a custom template designer with millimeter-level precision.
- Integrated Oracle DB, implemented Dockerized deployments on AWS EC2/ECS, and built background jobs for automation (e.g., DB migration, email alerts).

Supply Chain Management System (as Software Developer at Avanza Solutions)

- Built React frontend and .NET Core backend for blockchain supply chain ledger.

ADDITIONAL

Languages/Frameworks: C#, .NET, JavaScript, Typescript, Express.js, React.js, Redux, Node.js

Tools/Databases: Linux, Ubuntu, Docker, Jenkins, GitHub, GitLab, SQL Server, PostgreSQL, Oracle DB, MySQL.