

Syed Jawwad Raza

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EDUCATION

National University of Sciences and Technology (NUST)

Bachelors

Islamabad, PK

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

Senior Software Engineer

Karachi, PK

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

Software Engineer

Karachi, PK

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

Associate Software Engineer

Karachi, PK

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

Full-Stack Trainee

Remote

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.