

SYED MUHAMMAD HAMZA RAZA

Software Engineer

M.Sc. Computer Science @ Saarland University

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EDUCATION

M.Sc. in Computer Science

Saarland University

Apr 2025 – Apr 2027

Saarbrücken, Germany

B.Sc. in Computer Science

Institute of Business Administration (IBA)

Aug 2018 – Jun 2022

Karachi, Pakistan

CGPA: 3.74 / 4.0 (≈ German Grade: 1.4) **Top 10 in class**

EXPERIENCE

Senior Software Consultant

10Pearls

Jun 2022 – Apr 2025

Karachi, Pakistan

- Built and led full-stack apps creating a **custom CPQ**, which can be integrated in **CRMs (Salesforce, HubSpot)**, and crowdfunding platforms using **NestJS, Next.js, PostgreSQL, Redis & AWS**.
- Received Codebase with **zero documentation** and in **1.5 years** with help of the team deliver it to **production** with all features documented.
- Promoted twice** in under 2 years.
- Rebuilt frontend from **Next.js 12 to 14** and added dynamic components.
- Developed internal talent allocation tool using **Python, RAG and LLM**.
- Converted frontend-heavy logic into lean **serverless backends**.
- Migrated financial calculations into a reusable AWS CodeArtifacts package for seamless integration in multiple services.
- Awarded **Employee of the Month** for **Dockerizing a Node.js app**, raising backend test coverage from **0% to 60%**, and resolving outages.

Blockchain Engineer

Xord

Jul 2021 – Jun 2022

Karachi, Pakistan

- Built and audited **smart contracts** for staking protocols and DAOs.
- Created data indexers for Ethereum protocols.
- Led **front-end and back-end** for a multi-chain DeFi dashboard.

PUBLICATIONS

AEIT 2024, ICIET 2024

A Structured Framework for Translation of English to Pakistani Sign Language

2022 – 2024

- The paper is the culmination of our Final Year Project and has been accepted for oral presentation.
- Developed **Suno**, a mobile-app converting English to PSL
- Developed using **Flask and ReactNative**.

SUMMARY

***Experienced Full-Stack Engineer** with 4 years in building scalable, data-driven applications using **TypeScript, Node.js, React, and AWS**. Adept at modernizing legacy systems, developing real-time features with **WebSockets and BullMQ**, and integrating APIs and databases efficiently. Currently pursuing an M.Sc. in Computer Science at **Saarland University**, with a strong foundation in back-end and dashboard development. Eager to bring technical depth, adaptability, and a problem-solving mindset to the engineering team at **Amfileon**.*

TECHNICAL SKILLS

TypeScript

JavaScript

Python

Node.js

NestJS

React.js

Next.js

PostgreSQL

MySQL

Redis

Git

Docker

AWS

Lambdas

CI/CD

Debugging

TypeORM

Machine Learning

JIRA

Linux

Unit Tests

BullMQ

WebSockets

SOFT SKILLS

Leadership

Agile Mindset

Team Player

Communication Skills

Fast Paced

Problem Solving

Documentation

LANGUAGES & HOBBIES

English (Fluent - C1)

German (Basic - A1)

Football

Cricket

NBA