

Muhammad Hassan Raza

Software Engineer

I am passionate about software development and writing clean, secure, and scalable code. I enjoy breaking down complex technical challenges and implementing efficient solutions that enhance performance and maintainability. I am committed to best practices, continuous learning, and building robust applications that stand the test of time—because no one wants to deal with technical debt down the road.

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EDUCATION

MS Computer Science

FAST NUCES Lahore

08/2024 - 08/2026

4.0

BS Software Engineering

FAST NUCES Lahore

08/2020 - 08/2024

3.30

PERSONAL PROJECTS

PixelCryptor (09/2023 - 12/2023)

- Designed and implemented advanced Malware Obfuscation tool
- Deployed on Microsoft Azure

WORK EXPERIENCE

CEO

ChronoPOS

10/2024 - Present

Lahore, Pakistan

Offering secure, scalable POS software for retail, streamlining sales, ledger, and orders, processing **Rs. 68 million** in total for better efficiency.

Achievements/Tasks

- Successfully deployed a POS system with integrated inventory management, automating stock tracking and order processing.
- Implemented automated ledger management, streamlining financial transactions and ensuring accurate records.
- Processed **Rs. 8.6 million** in monthly transactions, improving sales efficiency by **62%** through reduced checkout times and minimized error rates.

Lab Instructor

FAST NUCES Lahore

08/2024 - Present

Lahore, Pakistan

Achievements/Tasks

- Teaching Labs including **Operating Systems, Web Engineering, Software Construction & Development**

Software Engineering Intern

Arrivy, Inc.

06/2023 - 08/2023

Lahore, Pakistan

Achievements

- Developed the backend for the in-house Employee Management System, replacing the expensive and proprietary solution
- BigQuery, Flask, GCP Scheduler to provide server-side functionality

Contact: Muhammad Hamid Raza -

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SKILLS

Project Management

Azure

DigitalOcean

Python

GCP and BigQuery

Java

Kotlin (Jetpack Compose)

Django

VueJS

Hugo

PostgreSQL

CI/CD Pipeline

ACHIEVEMENTS

Dean's List of Honors (Fall 2023, Spring 2024)

3rd Place at NaSCon'22 Code Studio Competition

4th Place at NaSCon'23 UI/UX Competition

Highest Achiever Shield of Excellence during O-Levels

ORGANIZATIONS

FAST NUCES (08/2020 - 07/2024)

TA for **Introduction to Software Engineering (SE110)**, **Software Engineering (CS3009)**, **Software for Mobile Devices (CS4039)**, **Information Security (CS3002)**, **Fundamentals of Software Project Management (SE4003)**

SOFTEC (11/2020 - 08/2024)

Vice President Operations and Management

Google Developer Student Clubs (08/2022 - 10/2022)

Media Advisor and Director General

CERTIFICATES

Elevate Your Business Branding with Generative AI (12/2023)

Artificial Intelligence for Business and Corporate Branding

LANGUAGES

English

Native or Bilingual Proficiency

Urdu

Native or Bilingual Proficiency

INTERESTS

Project Management

Open Source

Metal Music

Space and Extraterrestrial Life

Tech Blogging