

# Muhammad Irtaza Hussain

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## Sr. Software Engineer | Python | Dotnet | JS | Docker

With over 4 years of software engineering expertise encompassing Python Frameworks (Django, Flask, Fast API), ASP.NET MVC Framework, Node.js, and various databases, I have significantly contributed to the success of multiple projects. My achievements include a performance boost and improved user experience through the implementation of a download feature. Additionally, I enhanced connectivity through Network module automation, reduced data processing time to S3 by 60%, optimized website load times, and streamlined MongoDB query response times. My work consistently drives increased user satisfaction and operational efficiency.

## WORK EXPERIENCE

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### Strategic Systems International • 03/2021 - Present

#### Sr. Software Engineer

- Engineered a Python and bash stats script for capturing device data, enhancing data management and documentation.
- Designed user management with Grafana DB API and UI in Angular and Asp.net, improving user accessibility.
- Programmed Network automation script using bash for embedded systems, optimizing operational efficiency.
- Accomplished DevOps pipelining with AWS and Azure for OS and application deployment, bolstering system efficiency and documentation.

### Entspos Developer Inc. • 10/2022 - 03/2023

#### Sr. Software Engineer

- Engineered performance enhancements for the download module, incorporating generators and background jobs with Celery.
- Transformed the notification page to React from Django using Storybook and implemented GraphQL API, enhancing user experience.
- Programmed a robust unit-testing structure, dynamically mocking classes for elastic search data retrieval, ensuring application reliability.

### Falcon Consulting • 09/2019 - 02/2021

#### Software Engineer

- Engineered Permispop.fr v2, leading a team of 3 developers, delivering mobile and web apps with scheduler, chat, and map modules. Using Dotnet core, React, Mongo, and Nodejs
- Designed and implemented a matching algorithm for the matrimonial app, enhancing user experience. using Python Django
- Accomplished application deployment with Windows IIS, SSL certificate integration, MongoDB schema update, and provided Git/Github training to the team.

## EDUCATION

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### Bachelors in Computer Sciences

Comsats University • Lahore, Pakistan • 09/2015 - 07/2019

- Collaborated and individually worked on multiple projects utilizing C#, JAVA, Python, and SQL, contributing expertise to various teams.
- Played a pivotal role in a 3-member team for the Final Year project, spearheading Python Django backend development and crafting HTML/JS/CSS frontend. Also, actively participated in documentation, flow diagrams, and presentations for a student learning enhancement project.

## CERTIFICATIONS

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### **Certificate Of Completion Azure Cloud Function**

Plural Sight • 12/2021 - 12/2022

### **Certificate Of Completion Python Data Science And Machine Learning Bootcamp**

Udemy • 12/2019 - 12/2020

## SKILLS & INTERESTS

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Agile Software Development, Amazon Web Services, ASP.NET MVC, Automation(Python/bash scripting), Collaboration, Communication, Continuous integration, Django/Flask, Docker, Express, GraphQL, JavaScript, MongoDB, MySQL Database, Node.JS, Postgre Database, ReactJS, Software Development, Software Development Lifecycle (SDLC), TDD (Test Driven Development), Team Management, Test Driven Development, TypeScript, Web Application Development, Article Reading, Computer games, Swimming, Watching documentaries.