Hassan Ali

Senior Python Developer

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My professional journey in software development commenced in 2011, with a specialization in WordPress. Throughout my academic tenure, I progressively transitioned to crafting internet and hybrid mobile applications by 2012 and 2013, respectively. In the culmination of my studies, I actively engaged in mentoring final-year students across multiple universities, fostering their professional development.

Driven by a passion for tackling complex challenges, I have honed my expertise in Python development, leveraging MySQL and MVC frameworks. Additionally, adept in client-side scripting with JS and JQuery, I possess a knack for creating seamless user experiences. While I favor React for its prowess in well-structured, object-oriented web development, my adaptability shines through as I proficiently navigate various languages and toolsets to meet project demands.

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# SKILLS

* Languages: Python, HTML, CSS, JavaScript
* Frameworks/Libraries: Django, Flask, React, jQuery
* Databases: MySQL, PostgreSQL, NoSQL
* Tools/Technologies: Selenium, Scrapy, NumPy, Pandas
* Cloud Platforms: Azure, AWS, Digital Ocean

# **EXPERIENCE**

## Maxenius Agency (maxenius.agency) - Faisalabad *- Senior Python developer*

February 2023 to Present

* Software Design and Development:
  + Translate user requirements and technical specifications into well-designed, efficient, and maintainable Python code.
  + This involves choosing appropriate data structures and algorithms, writing clean and documented code, and utilizing design patterns when necessary. • Testing and Debugging:
  + Write unit tests to ensure individual code modules function as expected. • Identify, diagnose, and fix bugs and errors within the codebase. • Version Control:
  + Use version control systems like Git to track code changes, collaborate effectively, and revert to previous versions if needed.
  + Deployment and Maintenance:
  + Work with DevOps engineers or system administrators to deploy the developed Python applications to production environments.
  + Maintain and update existing codebases, ensuring they continue to function correctly and adapt to evolving requirements. Collaboration and Communication: • Cross-functional Collaboration:
  + Work effectively with designers, product managers, quality assurance (QA) testers, and other developers to understand project requirements, translate them into technical solutions, and deliver a cohesive final product.
* Technical Communication:
  + Clearly document code using comments and docstrings for better maintainability and collaboration.
  + Participate in code reviews to provide feedback and improve code quality.
  + Communicate technical concepts effectively to both technical and non-technical audiences. Additional Responsibilities : • Database Management:
  + Interact with databases (e.g., MySQL, PostgreSQL) to store, retrieve, and manipulate data as needed by the application.
* API Integration:
  + Integrate the Python application with third-party APIs to extend functionalities or exchange data.
  + DevOps Automation: • Write scripts or tools to automate tasks within the development and deployment process.
  + Staying Up-to-Date:
  + Continuously learn and adapt to new Python libraries, frameworks, and best practices within the software development landscape

## The University of Faisalabad (tuf.edu.pk), Faisalabad*- PYTHON DEVELOPER*

August 2020 to January 2023

* Led the development and management of a comprehensive Education ERP system:This emphasizes your leadership and ownership.
* Specialized in admissions functionality:Highlights your specific expertise within Education ERP. • Streamlined the admissions process for educational institutions:Showcases the value you delivered.
* Developed features to automate tasks and improve efficiency (optional):Add this if you can elaborate on specific functionalities you built.
* Collaborated with stakeholders to ensure the system met the unique needs of educational institutions:Shows strong communication and ability to understand client requirements.

## COMSATS INTERNET SERVICES - Faisalabad *- Python Developer*

October 2018 to July 2020

* Spearheaded the development of a comprehensive Textile ERP system:Emphasizes your leadership role.
* Streamlined textile operations and integrated accounting functionalities:Highlights the specific industry focus and the value you delivered.
* Ensured operational efficiency through system design and feature implementation:Combines technical expertise with a focus on business impact.
* Troubleshooted and resolved technical issues within the Textile ERP system:Demonstrates problem solving skills in a relevant context.
* Collaborated with stakeholders to meet specific textile industry requirements:Shows strong communication and ability to understand industry needs.

## WADIC.NET - Lahore *- Odoo PYTHON DEVELOPER*

November 2017 to September 2018

* Led Odoo Python development projects:This emphasizes your leadership and ownership.
* Performed gap analysis for senior Odoo clients:Highlights your ability to understand complex client needs.
* Delivered customized Odoo functionalities through efficient, reusable, and scalable code:Showcases your technical expertise and focus on maintainability.
* Troubleshooted and resolved complex Odoo issues:Demonstrates problem-solving skills.
* Staying current on industry trends and best practices:Shows your commitment to continuous learning.

## DIGITAL NET SOLUTIONS - Lahore *- Junior PYTHON DEVELOPER*

September 2015 to October 2017

* Led the development and management of a comprehensive Education ERP system, specializing in admissions functionality.(Maintains leadership emphasis)
* Designed and implemented features to streamline the admissions process for educational institutions. (Combines design and implementation with clear business impact)
* Ensured system efficiency and resolved technical issues to maintain a robust ERP platform.(Highlights technical expertise)
* Collaborated with stakeholders and designers to translate educational management needs into functional features.(Showcases communication and ability to bridge the gap between technical and nontechnical audiences)
* Contributed to database design and managed backend operations, ensuring smooth data management and system performance.(Expands on your technical skills)

# **EDUCATION**

## NCBA&E, Lahore*- BSCS*

AUG 2011 - SEP 2015  
  
  
**Project   
  
1. Admission Portal of Tuf (The University of Faisalabad )** [**https://admission.tuf.edu.pk/login**](https://admission.tuf.edu.pk/login) **2. Landing Page of Tuf**[**https://tuf.edu.pk/**](https://tuf.edu.pk/) **3. Student Portal of Tuf**[**https://tufportal.com/**](https://tufportal.com/) **4. Ebay Product Scrapper**

The primary purpose of an eBay Product Scraper is to gather data for various purposes, including market research, price comparison, trend analysis, inventory management, and competitor analysis.

Using techniques such as web scraping and data extraction, the scraper navigates through eBay's pages, collects the required information, and organizes it in a structured format, such as a spreadsheet or database.

**5. Zoho Event Notification Sender Via Sms**

is a feature or application that integrates with Zoho's event management system to send notifications to attendees via SMS (Short Message Service).

**6. Centralized Inventory System with Multiple sale Channels (like wordpress)** is a software solution designed to streamline inventory management processes for businesses that sell products across various online platforms, such as WordPress, WooCommerce, Shopify, eBay, Amazon, and more.