HAMZA BILAL

Python Developer

✉ hamzaabialal@gmail.com   📞 +923047670164   📍 Bahawalpur

in linkedin.com/in/hamza-bilal-600968245/

Summary

Specializing in backend development with expertise in Django, FastAPI, Flask, and pytest. Proficient in SQL databases and adept at using GitLab/GitHub for version control and unit testing in Django. Contributed significantly to Enigmatix PVT LTD by enhancing project outcomes through effective code management and collaboration tools. Passionate about driving innovation and continuously improving development processes.

Experience

Backend Developer, *Distack Solutions*   12/2024 – Present
Karachi, Pakistan
- Developed and maintained scalable backend services using **Python, Django, and Django Rest Framework**, powering core business logic for SaaS and analytics products.
- Integrated third-party APIs like **Zoom, Salesforce, and Apify**, implementing robust OAuth flows, data syncing, and webhook event handling.
- Designed and implemented **modular architecture patterns** for integrations (**oauth.py** ⧉ , **client.py** ⧉ , **service.py** ⧉ , etc.), improving code maintainability by 40%.
- Built automated **PDF report generation systems** using **xhtml2pdf** and custom HTML formatters for AI-generated business cases and sales summaries.
- Refactored legacy function-based views into clean **class-based views** with strong separation of concerns and reusable mixins.
- Utilized **Celery** and **Redis** for background tasks like async report generation, file conversion, and API data ingestion.

Python Developer, *Enigmatix Pvt Ltd Software Company*   01/2023
Bahawalpur, Pakistan
- Worked as an intern Python developer focusing on back-end services and data analysis
- JavaScript, Django, Django Rest Framework, FastAPI, Flask, Pytest, Django Unit Test and Restful API's
- Implemented Python for enhanced code quality and early issue detection
- Established seamless frontend-backend connections with Python, Django, and Django Rest Framework
- Collaborated effectively within cross-functional teams, contributing from idea to product delivery
- Led successful project implementations, optimizing website performance and resolving complex technical challenges

Education

Bachelor's in Data Sciene, *Islamia University of Bahawalpur*   01/2020 – 01/2024
Bahawalpur, Pakistan

Skills

- API
- Django
- Flask
- Github
- IBM
- Pytest
- Rest
- Restful
- SQL
- Python Pipelines
- Html
- Data Science
- Docker
- Git
- Gitlab
- Javascript
- Python
- Rest Api
- Restful API
- Unit Testing
- Css

Languages

English
Advanced

Find me online

Linkedin
https://www.linkedin.com/in/ha
mza- bilal-60096825/

Key Achievements

Enhanced Code Quanlity
Enhanced Code Quality: Implemented unit testing frameworks, including Django Unit Test and Pytest, reducing bugs by 30% before production at Enigmatix Pvt Ltd.

Optimized Webiste performance
Optimized Website Performance: Led backend optimizations using Python and Django, improving website loading times by 25%.

Fornt-end backend Integration
Seamless Frontend-Backend Integration: Established robust connections using Django and FastAPI, reducing API response times by 15%.

Projects

Ecommerce Website
Explore the heart of eCommerce technology as I craft the backend of a dynamic online store using the power of Django and Python. Witness the seamless integration of databases, user management, and intricate functionalities that make the shopping experience exceptional. Discover how this robust combination forms the backbone of a successful eCommerce website.
Skills:
- Back-End Web Development.
- Python (Programming Language).
- Databases.

- Django

Climate Change Prediction
This project is a web-based platform that provides climate change predictions for countries around the world for the next 50 years. The application is built using Django, a powerful web framework, and utilizes JSON data generated through ChatGPT, containing detailed climate projections for various countries. The platform allows users to select specific countries and view their projected climate trends over the next five decades.
Skills:
- Django
- Back-End Web Development
- Python (Programming Language)
- DJango Templates
- ML

Image Encoding and Decoding using Django
This project aims to build a web-based application that allows users to upload images and perform encoding and decoding operations on them. The platform is powered by Django, a robust web framework for rapid development, and uses Django templating to dynamically render user interfaces.

Brain Tumor Detection
This project focuses on developing a web-based application for detecting brain tumors using deep learning models, specifically the EfficientNet architecture. The platform is built using Django, a powerful web framework for building scalable and maintainable web applications, and incorporates Django's templating system for rendering user interfaces dynamically.
Skills:
- DJango Templates.
- Django
- Machine Learning.
- Back-End Web Development.
- HTML

Certification

- Python for Data Science (IBM)