

Shaharmeer Basharat

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OBJECTIVE

Experienced Back-end Developer with 1.5 years of expertise in Python, Django, and Django Rest Framework. I am self-motivated and continuously seek to expand my software engineering skills. I aspire to progress to the role of Software Engineer. My aim to contribute to web development, AI, and machine learning projects and eager to apply my knowledge and experience in a Software Developer role.

EDUCATION

BS Computer Science- The National University of Modern Languages Islamabad **3.32/4.0**

IELTS **7 bands**

SKILLS

Programming Languages	Python, HTML, CSS, Java
Backend Frameworks	Django, Django Rest Framework(DRF), FastAPI
Databases	PostgreSQL, SQLite, Redis
Tools	Celery, CronJob
Version Control	Git, BitBucket
Cloud	Docker, AWS
Soft Skills	Team Player, Communication, Adaptable

EXPERIENCE

Backend Engineer	June 2022 - March 2023
Ecube enterprise	Lahore

- At Ecube enterprise, I was responsible for developing and maintaing new and existing products using Python, Django and Django Rest Framework (DRF) utilizing Agile software development methodologies.
- Collaborated with frontend-developers to develop the required APIs.
- Introduced and promoted best practices for code quality, performance, and security across the development team.
- Actively participated in knowledge-sharing sessions, and staying updated with the latest industry trends and technologies.
- Optimized the performance of the existing system which resulted in significant reduction in API response time.
- Worked closely with DevOps Engineer to ensure the availability of the system.

Python Automation Engineer	April 2023 - Sept 2024
Code automation	Lahore

- My responsibilities at Code automation included the development of new and existing products using Agile software development methodologies.
- I was part of a team working on multiple products developed in Selenium, Appium and TestNg.
- Managed projects and collaborated effectively using Agile methodologies, ensuring efficient project execution and timely deliveries.
- Conducted and participated in Agile Scrum ceremonies, contributing to sprint planning and retrospectives.

PROJECTS

Task scheduler application

Developed a task scheduler using Django and Celery for asynchronous task execution. This application allows scheduling tasks with periodic execution capabilities, managed by Celery Beat and executed by Celery Workers. Utilized Django for the backend and implemented a message broker for reliable task handling.

Real-time Chat application

Built a functional messaging application using Django, featuring a REST API and WebSockets for real-time notifications. The app architecture allows users to exchange messages efficiently, with WebSockets reducing polling needs and Redis for scalable performance. Integrated an In-Memory/Redis-backed channel layer and used MySQL with indexing for optimized database queries. Managed dependencies with Pipenv, upgraded to Django Channels 2, and implemented Redis for distributed processing.

Employee Management System

Developed a web-based employee management system using Django, enabling users to add, update, delete, filter, and search employee records efficiently. The system provides an organized platform to manage employee information and supports quick record access and modifications.

E-commerce store

Built a user-friendly online ecommerce platform using Django, allowing users to browse, shop, and make purchases seamlessly. Implemented user authentication with sign-up, login, and password reset functionality. Developed backend features to manage product listings and purchases, providing a smooth shopping experience.

Micro services Application with Event-Driven Architecture

Built a microservices example using Python, integrating Django and Flask applications with RabbitMQ for an event-driven architecture. Used Python Pika to manage event communication between services, creating a seamless, monolithic-like user experience in a microservices setup. Developed services with Docker, implemented CRUD functionality, and ensured data consistency across distributed components.

LANGUAGES

- English
- Urdu