

M NOMAN CH

Python Django Developer

Awan Market Lahore • 0307-4604891 • mnomanch786@gmail.com

[Github Profile](#)

SUMMARY

A software engineer with practical expertise in Python, React.js, web development, and database design, including proficiency in SQL, Git, AWS, Docker and Linux shell commands, brings significant value to any organization. Their strong understanding of RESTful APIs further enhances their capability to build scalable and efficient software solutions.

WORK EXPERIENCE

TylexTech

July 2023 - Present

- Developed and maintained backend solutions using Django, ensuring high performance and scalability.
 - Leveraged expertise in Frappe, React, Angular, AWS, AWS CDK, AWS SDK, Docker, and Django to deliver full-stack web applications.
 - Designed and implemented RESTful APIs, enhancing secure and efficient communication between frontend and backend systems.
 - I worked with SQL and ORM to design and manage databases, write complex queries, and optimize data handling for performance.
 - Collaborated with cross-functional teams to deliver robust, scalable, and user-friendly software solutions.
 - Utilized Git for version control and maintained a smooth deployment process in a Linux environment.
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PROJECTS

Multi Marketo

- Architected and implemented a multi-tenant email management platform using Django, Django ORM, Celery, Celery Beat, Redis, and RabbitMQ. Leveraged Django's ORM for efficient database management and Celery's task queue to handle bulk email campaigns asynchronously. Redis was used as a cache layer to improve performance and reduce database load, while RabbitMQ was employed as a message broker for reliable and scalable communication between components. The platform was designed to support multiple tenants, each with their own isolated data and settings. Optimize the system for high performance and deliverability, ensuring seamless execution of email tasks using Celery Beat for scheduled and recurring jobs. Implement robust tenant isolation mechanisms to protect sensitive data and prevent conflicts between tenants.

FTS (Follow The Show):

- Designed and developed a robust API for listing and retrieving detailed show information, including seasons, episodes, cast, crew, and ratings. Effectively handled complex many-to-many relationships between shows, seasons, episodes, and other entities. Implemented secure user authentication features, such as login and registration APIs, to protect sensitive user data. The API efficiently organized large datasets, allowing users to quickly access comprehensive show details. Integrated additional functionality to ensure data accuracy and consistency across multiple related entities

Dispatch Trucking CRM:

- The CRM system is a fully functional platform designed to manage customer relationships and streamline operational workflows. It features a secure login system with role-based access control (RBAC) to ensure authorized access to APIs and system functionality. The system has four distinct user roles—Admin, Team Lead, CSR, and Dispatcher—with strict permissions to access authorized APIs. A carrier management module scrapes data from external sites to populate carrier listings, ensuring up-to-date information. Additionally, an email-sending system allows users to send emails directly to clients from within the CRM, enhancing communication and efficiency. A detailed logging system tracks user activities, providing a comprehensive audit trail for system administrators. Furthermore, a final deal listing feature displays completed deals for carriers, streamlining operational workflows and improving deal management. The system enforces strict permissions for every user, ensuring they can only access authorized APIs and functionality, thereby ensuring the security and integrity of sensitive customer data and system operations.

Skills

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|---------------------------|-----------|
| • Python | • Angular |
| • Django | • React |
| • AWS | • Docker |
| • Frappe | • Redis |
| • Scrapy | • Celery |
| • SQL (PostgreSQL, MySQL) | |