Abdullah Naeem

Python Backend Developer at Meissasoft

Passionate Software Engineer with expertise in both Frontend and Backend development. Experienced in building high-performance APIs using FastAPI and creating dynamic, user-friendly interfaces with React.js and Tailwind CSS. Skilled in developing scalable, efficient web applications and automation solutions. Adept at solving complex challenges in fast-paced environments, always eager to explore new technologies and drive innovation.

Skills & Strengths

- FastAPI
- ReactJS
- HTML
- php
- Python
- Tailwind CSS
- CSS
- PostgreSQL
- Bootstrap
- Jawascript

Projects

Urban SDK | Meissasoft, Lahore | Jan 2025 - Aug 2025
https://dev.api.platform.urbansdk.com/v2/admin/docs#/

Tools: FastAPI, Flask, Postgresql, github, swagger UI, jwt auth

- *Worked on a live project for a US client, transitioning from Flask to FastAPI, and enhancing backend services.*
- Developed and optimized FastAPI-based RESTful APIs, improving backend performance, scalability, and maintainability.
- Led the migration of the Flask application to FastAPI, ensuring seamless integration with pre-existing services and data structures.
- Contributed to a microservices-based architecture, utilizing and integrating existing microservices to maintain modularity and scalability across the project.
- Utilized and integrated existing microservices, including models and utilities, ensuring reusability and consistency across the project.
- Applied fixes and enhancements to the models microservice repository to improve functionality and address client-specific requirements.
- Implemented reverse engineering techniques to analyze and refactor legacy code, increasing efficiency and code maintainability.
- Built reusable worker functions to interact with APIs, automating repetitive tasks and streamlining development workflows.
- Managed PostgreSQL database migrations, merging legacy tables with newly created schemas to ensure data integrity.
- Set up and maintained Dockerized environments for consistent development, testing, and deployment processes.
- Collaborated closely with frontend developers to resolve technical challenges and ensure smooth API integration.
- Actively addressed client and frontend queries, ensuring timely resolution and maintaining high client satisfaction.
- Utilized Git for version control, managing codebase efficiently with multiple branches.
- Tracked and documented daily work progress using Jira, ensuring timely updates and alignment with project goals.

Contact Info

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Education

Lahore Garrison University
Lahore / BSCS
Computer Science (2025)

Languages

- **Punjabi** - Native
- **Urdu** - Native
- **English** - Medium

Hobbies

- Watching Cricket
- Social Media

- Maintained consistent productivity by actively running the Upwork time tracker for 8 hours daily during remote engagements.
- Collaborated with a Scrum team to design, execute, and maintain comprehensive test cases, ensuring high software quality and alignment with Agile development practices.

AI based glaucoma detection system | Final Year Project | May 2024 - May 2025
https://github.com/Abdullah-Naeem-Gill/FULL-FINAL-YEAR-PROJECT.git

Tools: FastAPI, React js, Tailwind css, socket io, jwt auth, github, postgreSQL

- Developed a **AI based glaucoma detection and appointment System** as part of final year project.
- Designed and implemented the **backend using FastAPI**, building secure REST APIs with **JWT-based role-based authentication** for doctors and patients.
- Integrated **PostgreSQL** database to manage doctors, patients, and appointments efficiently.
- Implemented **doctor profile management**, enabling doctors to add their data, displayed as dynamic cards to patients.
- Built a **real-time doctor-patient chat system** using **Socket.IO with FastAPI**, supporting text and image sharing for seamless communication.
- Integrated an **AI-powered chatbot** to answer patient queries related to **Glaucoma**.
- Incorporated an **AI-based Glaucoma detection system**, allowing patients to upload fundus images and receive automated diagnosis results.
- Developed the **frontend using React.js with Tailwind CSS**, ensuring a responsive, modern, and user-friendly UI across devices.
- Utilized **Git/GitHub for version control and collaboration** with teammate (partner handled AI model development).
- Followed **modular and component-based design principles** for scalable and maintainable codebase.