Professional Summary:

Experienced Software Engineer with a proven track record of delivering innovative solutions for over 10 professional projects.

Work Experience

Ati Shahr - [2022]-[Now]

Mock Server

Developed a user-friendly mock server application using FastAPI that enables:

- User registration of APIs and their corresponding response templates.
- Integration of Jinja2 templating language for dynamic response generation.

User Analytic System

Led the development and implementation of a real-time User Analytics System, leveraging FastAPI, ClickHouse, RabbitMQ, and WebSocket technologies.

- Managed a high throughput of over a million data events per hour by leveraging RabbitMQ and WebSocket technologies, ensuring seamless data delivery.

B2C Tourism Project

- Contributed to the development of a tourism B2C platform with over two million registered users and connections to more than nine B2B platforms.
- Enhanced the payment system's efficiency, enabling it to handle approximately 200 different payment modes based on various variables, such as service type, B2B provider, and payment type (IPG, MPL, WPG).
- Implemented Async features to optimize the system's performance, reducing system slowdown during high loads by up to 70%.

SIB (ticket system)

- Optimized a reporting endpoint, resulting in a 20x speed improvement and eliminating system slowdown during high load times.
- Collaborated on developing the second version of the project with FastAPI to facilitate asynchronous development and handle the system's high load.

Mehr Pars - [2021]-[2022] (Python Developer)

Organizational resource management system

- Designed and developed a migration module using object-oriented programming techniques, enabling seamless transition from previous project management systems to the Rainesh platform, resulting in a 40% increase in customer satisfaction.
- Implemented automated testing using Unittest, reducing testing time by 30% and elevating code quality.

Comprehensive warehouse system

- Engineered a fuzzy reverse proxy module for a large-scale warehouse project with discreet services, simulating backend conditions during high-load times. Achieved a 20% reduction in error rates and enhanced user experience.

Open Source

Maintainer of PyBotNet framework. (https://github.com/onionj/pybotnet)

A High-Level Remote Control Framework for Python with Telegram Integration

Technical Skills:

- Proficient in Python programming, utilizing OOP, decorators, async, and websocket.
- Experienced in web development using FastAPI and Django frameworks.
- Skilled in database management with PostgreSQL, ClickHouse and Redis.
- Knowledgeable in test frameworks, including unittest and Pytest, for unit testing.
- Proficient in Linux-based systems administration.
- Familiar with security concepts and best practices.
- Experienced in containerization using Docker for deployment.
- Proficient in using Git for version control and collaborative software development.

Languages

English (Fluent)