Maowei Fan - Full Stack Developer

📞 18008145963   ✉ fmw19990718@gmail.com
🖥 github.com/fmw666

WORK EXPERIENCE

Zhejiang Lab   2023.08 - 2023.10

Full Stack Developer   Hangzhou, Zhejiang, China

- **Leadership:** Led a laboratory team in developing an experimental analysis platform website.

- **Tech Stack:** By using Flask, Vue, TypeScript, Socket.io, Celery, Redis, Gunicorn, and Nginx.

OS-easy Group Holding Ltd.   2021.04 - 2022.08

R&D Center · Python Development Engineer   Wuhan, Hubei, China

- **Development:** Completed the development of 40+ product requirements using Python and Django.
- **Client Engagement:** Resolved tech issues, customized solutions for 10+ clients.
- **Project Testing :** Developed 500+ test plans to ensure security, accuracy, andreliability of codebases.

SKILLS

- **Languages:** Python, Javascript, HTML5/CSS, Golang

- **Frameworks:** Django, FastAPI, Flask, NodeJS, ReactJS, VueJS
- **Tools:** Linux, Git, Selenium, AWS, Docker, MQ, Jenkins
- **Databases:** MySQL, Redis

PROJECTS

OJ system website — https://gitee.com/fmw666/ojSys

- University graduation design project, independently completed full-stack development.

- Developed a frontend-backend separated algorithm problem bank and online judging application. Implemented features including an algorithm problem bank, competition repository (publishing, registration, participation), forum area (discussions), and personal center.

- The frontend is built using Vue3 and Element-UI, the backend is based on Python3, Django (DRF), Celery, MySQL, Redis, JWT. It follows the RESTful protocol for API.

**fastapi project framework generation tool —
https://github.com/fmw666/fastapi-builder**

- The project is similar to Django-admin and aims to rapidly build an enterprise-level FastAPI application structure, providing developers with an efficient and high-quality application development experience.

- Employed Questionary as a command-line interactive tool and utilized Cookiecutter along with Jinja2 templates to generate project frameworks.

- Derived project architecture insights from FastAPI's official Full-stack-fastapi-postgresql project and Django's organizational structure to enhance project maintainability and scalability. Adhered to PEP8 coding standards, employing RESTful interface design for standardized and readable code.

EDUCATION

Sichuan Normal University   2017.09 - 2021.06

Computer Science B.S.   Chengdu, Sichuan, China

- GPA: 3.4 / 4.0

- Honors/Awards: CET4、First-class Scholarship for Major (2017), Second-class Scholarship for Majo (2018, 2019), Outstanding Student Cadre (Annual), Provincial Second Prize in Mathematical Modeling

- In-school Positions: the class commissary in charge of studies, Head of IT Excellence Training and Team Leader for Python Group.