SHAHZOD OHUNJON

Junior Software Engineer

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Education

Changsha University of Science and Technology (CSUST) | 2021-2025
Bachelor of Science in Computer Science | Changsha, Hunan, China.

Focus Areas

Algorithms and Data Structures, Object-Oriented Programming, Databases, Software Design Principles.

Experience

Small Business Manager – Personal Project | May 2025

Python, Tkinter, SQLite3, JSON | GitHub
Developed a cross-platform desktop application for small business owners to manage inventory, track expenses, and handle sales/returns via an intuitive Tkinter -based GUI.
Implemented double-entry accounting logic to automatically generate annual income statements and balance sheets. Designed and integrated a structured SQLite3 database with robust data validation, reducing input errors and ensuring consistency.
Open-sourced the project on GitHub to encourage community collaboration and feature growth. Built with zero external dependencies for easy deployment and long-term maintainability.

PyWebHive - Personal Project | Nov 2024

Python, WSGI, Jinja2 | GitHub | PyPI

Developed a lightweight, WSGI-compatible Python web framework featuring class-based routing, Jinja2 templating, middleware integration, and static file handling. Packaged and published on PyPI for easy installation **pip install pywebhive.** Deployed a working web app on a cloud platform to demonstrate practical use. Key achievements include implementing parameterized routing, custom middleware, and HTTP method filtering.

Skills

Languages: JavaScript, TypeScript, Python, Go

Databases: SQLite3, SQL, PostgreSQL

Development: HTML, CSS, React, Django

Tools: Git, GitHub, JSON, VS Code

Projects

SpectroSim | GitHub

Full-stack UV-Vis absorption spectra simulator built with React + Vite, Tailwind CSS, and Python (FastAPI), using PubChem API data with custom caching to enable interactive spectral visualization and analysis.

ChromaPlot | GitHub

Full-stack chromatography visualizer built with Python (FastAPI), HTML, CSS, and JavaScript to render interactive plots for compound separation analysis via retention factors.

Languages

Uzbek (Native) | English (A2) | Chinese (B2)