Florjan Dhima

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Summary

- Python developer with a proven track record in maintaining and developing Python applications, primarily using FastAPI, SQLAlchemy, Pydantic, and relational databases. Designed and developed automated VM workflows in Proxmox, a unified backend architecture for Sigma rules, a Python-based Sigma-to-SQL conversion algorithm, and a Self-Sovereign Wallet workflow. Ranked in the top 3% throughout all academic years. Aiming to thrive and innovate in a dynamic company. Open to relocation.

Education

- **BSc Informatics, Ionian University, Greece** Oct 2021 – Jun 2025
  GPA: 8.83/10, Thesis: Design & Implementation of 6G a Testbed for Pilot Planning

Experience

- **Software Developer, PDMFC, Remote (Lisbon)** Sep 2024 – Dec 2025
  - Developed backend services for Sigma rules and their conversion to SQL, by using SQLAlchemy, Pydantic, FastAPI and SQLite database, ensuring reliable and maintainable processing of complex rule sets.
  - Streamlined VM deployment in Proxmox and automated cybersecurity scenario simulations with Python, enabling efficient data generation for machine learning pipelines.
  - Implemented Self-Sovereign Wallet workflow following W3C standards with Typescript, enabling secure and interoperable identity management.
- **Software Developer Intern, CWA, Corfu** Jul 2024 – Sep 2024
  - Built CRON jobs to automate recurring tasks, improving operational efficiency and reducing manual workload.

Skills

- **Backend:** Python, FastAPI, SQLAlchemy, REST APIs
- **Data:** SQL, PostgreSQL, MySQL, SQLite, Pandas
- **DevOps:** Linux, Docker, Proxmox, Git, CI/CD
- **Other:** JavaScript, C/C++, Machine Learning basics

Projects

- **HAHE Analysis** – Designed a data analysis pipeline for Greek higher education datasets, performing data preprocessing, exploratory analysis, and visualization to extract actionable insights using Pandas, NumPy, and Matplotlib. Project's GitHub
- **StreamML** – Designed and implemented a Streamlit machine learning application for clustering analysis (K-Means, Hierarchical), enabling data preprocessing, interactive visualization, and model evaluation using Pandas, NumPy, Matplotlib, and Scikit-learn. Project's GitHub
- **Marketing DSS** – Built a Marketing Decision Support System, providing customer churn predictions. Leveraging the libraries of Streamlit, Scikit-learn, Pandas and Seaborn. Project's GitHub