

Curriculum Vitae

Personal Information

Name Paul Miller
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Presentation

Bilingual Data Engineer with hands-on experience in web scraping, data integration, and pipeline deployment. Adept at leveraging Python and AWS to drive data-driven solutions. Seeking opportunities to further enhance data science capabilities and contribute to innovative projects.

Education

2019 **University of Fribourg** *Fribourg, Switzerland*
Bachelor of Science in Computer Science, minor in Information Management

Work Experience

Jun 2021 – Today Fusionbase GmbH – **Data Engineer**

Member of the core Data Engineering team in a startup

- Spearheaded the development and maintenance of comprehensive ETL pipelines, leveraging Python, AWS, Docker, Git, MongoDB, and ArangoDB to facilitate efficient data processing and management in a dynamic startup environment
- Contributed significantly to the development of the backend for our main application, demonstrating expertise in both design and implementation phases
- Successfully implemented and integrated a new version of our API using Python, FastAPI and Pydantic, enhancing the application's functionality and user experience
- Played a pivotal role in structuring and cleaning data, ensuring the integrity and usability of information across multiple projects
- Led the integration of Machine Learning NLP models, overseeing the entire process from data collection and training data formulation to implementation, fine-tuning, and analysis of model performance
- Effectively integrated various third-party APIs and developed robust web scraping pipelines, enhancing data acquisition capabilities and contributing to diverse project needs
- Demonstrated strong problem-solving skills and a keen aptitude for automating complex data pipelines, significantly increasing operational efficiency and data reliability

Technical Skills

Python

ETL Pipelines

AWS

Docker

Git

MongoDB

Data Cleaning

Machine Learning

API Integration

Web Scraping

PyTorch

Numpy/Pandas

Languages

French, *Native*

English, *Native*

Qualities

Technophile, curious, self-learner, conscientious