

Alex Batisse



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>. About me

I am an experienced data scientist and software engineer based in Lyon (France). My technical interests include software development, statistics, and data visualization. I take pride in my ability to create solutions to any problem.

>. Experience

Canonical – *Software Engineer*

02/2024 – Present

- **Data Platform:** writing *charms*, software operators to handle the deployment, integration and lifecycle management of applications.

Tech: *Python, Kafka, Kubernetes, LXD*

Heva – *Data scientist & tech lead*

01/2019 – 2024

- **Health data studies:** conducting data analyses on national health claim data for pharmaceutical firms & public authorities. This work involved data management, statistical modeling, and reporting using the Py-Data stack.
- **Engineering:** tending to the teams' internal tools as a maintainer and developer, from proprietary data analysis packages to deploying REST APIs.
- **Tech lead:** providing technical support on various subjects (software development with Python, git, scientific libraries). Preparing and animating training sessions for a dozen people. Designing workflows and environments for scientific computations.

Tech: *Python, Docker, Plotly/Dash, FastApi, PyData stack, Dask*

Wordline – *Software engineer*

2017 - Dec 2018

- **Data science standardization:** designing and building a production-ready data science platform for training and deploying models. I worked with fully-fledged data scientists on several projects involving financial data (fraud detection, check recovery prediction).
- **Internship:** prototyping a banking chatbot. More so than a conversational interface, we aimed to design a personal finance assistant to help people save up for their projects.

Tech: *Python, Docker, PyData stack, Java*

>. Projects

- **pyOpenSci:** I am part of the editorial board for this diverse community that supports free and open Python tools for processing scientific data.
- **Twitter video bot:** Over a few days, this project generated and served more than four thousand short videos for a promotion campaign.
- **Music video generator:** I co-created a web platform (discontinued) for musicians where users upload an audio file and generate a customized video for social networks in a few seconds.
- **Pandas book:** I was credited as a technical editor for a top-selling reference book on pandas' foundational skills.
- **Scikit-learn:** I took part in the 2020 Sprint of the decade in Paris over four days.
- **Plotly Dash:** I migrated a significant proportion of unit tests to the pytest framework.

>. Education

M.Sc.Eng. in telecommunications, with highest honors

INSA de Lyon, 2017

Languages:

- **French:** native speaker
- **English:** effortless communication, TOEIC 990