

MICHAEL LOHIER

SOFTWARE ENGINEER

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WORK EXPERIENCE

6WIND

Software Engineer (3 years)

Paris, France

May 2021 – June 2024, Full-time

- Expanded the product metric tracking system to new monitoring tools (Apache Kafka, Elasticsearch, ...) by developing a custom Python API.
- Enhanced customers' experience by restructuring CLI configuration of network protocols (QoS, TWAMP).
- Demonstrated company product quality by implementing new Grafana dashboards.

Appygas

Full Stack Developer (6 months)

Berlin, Germany

Oct 2020 – Mar 2021, Fixed term

- Drove the evolution of the company website main feature by developing an internal Angular application for oil price standardization over Europe.
- Improved web crawlers' downtime detection by monitoring their status in a Python/Angular application, leading to a long-term increase of 10 percentage points in availability.

CogniteAS

Intern Data Scientist (6 months)

Oslo, Norway

Mar 2019 – Sep 2019, Internship

- Reduced maintenance costs of a company key customer by 500K USD by engineering an ETL automation pipeline in Azure Databricks plugged to a PowerBI dashboard monitoring relevant KPIs for the end user.
- Contributed to an internal R&D application for failure detection of an oil platform by making mock-up tests.
- Drafted customized PowerBI prototype dashboards in an effort to answer a request for proposal.

EDUCATION

IMT Mines Albi

Master of Science – Major: Information Systems Management

Albi, France

Sep 2016 – Jun 2019

Lycée Charlemagne

Bachelor of Science – Major: Mathematics

Paris, France

Sep 2013 – Jun 2016

SKILLS

Programming Languages: Python 3.6+, JavaScript (ES6), TypeScript, Bash

Python Development: Django, Django REST Framework, Flask, FastAPI, Unittest, Pandas, Numpy

JavaScript Development: Node.js, Express.js, Angular, React, HTML 5, CSS 3

Cloud Computing & DevOps: Git, Jenkins, GitHub, Docker, GCP, AWS

Data Engineering: InfluxDB, Elasticsearch, Apache Kafka, Prometheus, Graphite, Grafana, Microsoft PowerBI

Languages: French (native), English (full proficiency)

Interests: Chess, Investment, Backpacking

PROJECTS

Cryptocurrency Trading Competition (Golang, Solidity, AWS, Python, GraphQL)

- Built a trading bot in Golang with an international team of 7.
- Implemented competitive buying strategies scalable to several Blockchains.

Photography Portfolio Website (JavaScript, Node, Express, HTML, CSS) | [GitHub](#) | [Website](#)

- Redesigned and developed a responsive professional photography website.
- Used Google PageSpeed Insights and other optimization tools to monitor and improve the website's performance.

Flappy Bird AI (Python) | [GitHub](#)

- Revamped the Flappy Bird game with machine learning.
- Designed the game to allow the user to train its own neural network with a genetic algorithm to obtain an AI bird against which it can play.