

MICHAEL LOHIER

SOFTWARE ENGINEER

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WORK EXPERIENCE

6WIND

Paris, France

Software Engineer (2.5 years)

May 2021 – Present, Full-time

- Enlarged the company market exposition by building an API for configuring the export of 100+ system KPIs to diverse monitoring tools (Apache Kafka, Elasticsearch, Prometheus...) used by new potential leads.
- Enhanced customers' experience by restructuring CLI configuration of network protocols (QoS, TWAMP).
- Showcased company product quality by implementing new Grafana dashboards.

Appygas

Berlin, Germany

Full Stack Developer (6 months)

Oct 2020 – Mar 2021, Fixed term

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

CogniteAS

Oslo, Norway

Intern Data Scientist (6 months)

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 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 solutions to engage new leads by conceiving PowerBI prototype dashboards.

EDUCATION

IMT Mines Albi

Albi, France

Master of Science – Major: Information Systems Management

Sep 2016 – Jun 2019

Lycée Charlemagne

Paris, France

Bachelor of Science – Major: Mathematics

Sep 2013 – Jun 2016

SKILLS

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

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

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 8.
- 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.
- Utilised Google PageSpeed Insights and other performance measurement tools to continuously monitor and refine the website's performance, ensuring it consistently met industry benchmarks.

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

- Revamped the famous 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.