

# MICHAEL LOHIER

## SOFTWARE ENGINEER

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### WORK EXPERIENCE

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#### 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

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#### 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

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**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

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#### 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.