

# Flávio De Jesus Matias

215, rue de Luxembourg, L-8077 Bertrange, LU • +352 691 952 717 • [flavio8699@gmail.com](mailto:flavio8699@gmail.com) • [matiasflavio.com](http://matiasflavio.com) • [linkedin.com/in/flavio8699](https://linkedin.com/in/flavio8699) • [github.com/flavio8699](https://github.com/flavio8699)

## Education

### University of Luxembourg

- Master of Science in Information and Computer Sciences (Grade: **16.6/20**; very good) Sep 2022 - Sep 2024
- **Thesis:** Energy Performance Assessment of Deployment Pipelines  
**Focus:** Investigated energy usage in DevOps deployment pipelines and developed a software framework for continuous energy monitoring using **Prometheus & Grafana**.

### University of Luxembourg

- Bachelor of Science in Computer Science (Grade: **17.9/20**; very good) Sep 2019 - Jul 2022

## Skills

- |  |  |                            |
|--|--|----------------------------|
| • Linux (CLI, SSH)                       | • DevOps / CI/CD   | • Rapid Learner            |
| • Docker                                 | • Git  | • Critical Thinking        |
| • Python (Pandas, Flask, Django)         | • Web & App Development (PHP, JavaScript, Swift, HTML/CSS) | • Problem Solving          |
| • RESTful APIs                           | • Machine Learning (Supervised & Unsupervised)             | • Continuous Improvement   |
| • Scripting (Python, Bash, Ansible, SQL) |  | • Communication & Teamwork |

## Experience

### Full Stack Developer

Sep 2018 - Dec 2020

Compagnie de Construction Luxembourgeoise (CDCL)

- Developed a **stock management** and **IT ticketing system** for internal usage.
- Digitalised the transfer of stock items between construction sites and replaced manual IT request tracking with **digital** workflows.
- Developed the systems **autonomously** with business needs in mind.
- Applications used daily by ~ **70-150 employees** in logistics and IT support.

## Projects

### Home Server Lab

Jul 2023 - Present

Personal Project

- Operate a **Linux**-based home **server** running **containerised FOSS applications** using **Docker**.
- **Network configuration (DNS, Firewall rules, VPN)** for secure remote access.
- Implemented **backup strategies** for **NAS storage**.
- Automated tasks and monitoring using **Bash** and **Python** scripts.

### Student Intern

Sep 2023 - Jul 2024

University of Luxembourg

- Performed **big data analysis** on patent data and **visualised chemical** compound trends using university **HPC clusters**.
- Co-authored a **peer-reviewed article**: “Revealing Chemical Trends: Insights from Data-Driven Visualization and Patent Analysis in Exposomics Research” (DOI: <https://doi.org/10.1021/acs.estlett.4c00560>)

## Languages

- **English** - C1
- **French** - C1
- **German** - C1
- **Luxembourgish** - Native
- **Portuguese** - Native

## Interests

- **Open-source / Home Lab Projects**
- **Traveling**: 7-month backpacking trip around Asia
- **Sports**: Participated in events such as the ING Night Marathon
- **Photography & Drone Piloting**