

# ETIENNE LEFEBVRE



etil.fr



lefebvree



Linkedin



Paris, France



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I'm a senior software engineer working at Datadog, I graduated from the Université de Lyon with a Master's degree in Artificial Intelligence.

I enjoy building applications from start to finish and specialized in large-scale automation of browsers and dynamic websites crawlers, from their conception to their implementation in the real web.

## Languages

Typescript, Golang, Python, Java

## Web

Node.JS, Vue.js, React, D3

## Databases

Redis, PostgreSQL, MongoDB

## DevOps

Kubernetes, Helm, Terraform, Linux

## Cloud

AWS, GCP, Azure

## EXPERIENCE

2020 / current  
permanent contract

### Senior Software Engineer / Software Engineer

Datadog

- Implemented features on Synthetic Browser and API testing, covering multiple protocols.
- Designed and maintained large-scale services, handling over 100M requests per day.
- Explored product integrations in CLI tools, IDE and browser extensions, CI providers plugins.
- Served as team technical lead, overseeing project planning and mentoring co-workers.
- Acted security proponent of the team, managing internal processes and communication.

Typescript, Node.JS, Python, Kubernetes, Helm, Terraform, Puppeteer, React

2019 / 2020  
6 mo. internship,  
permanent contract

### Research & Development Engineer

Ziwit, HTTPCS

- Developed an online virtual browser to record and capture navigation scenarios.
- Designed a web crawling policy based on URLs' structural clustering and web graphs.
- Implemented a Go proxy injector for Security scanning & Integrity monitoring.
- Devised a ML pipeline to learn embeddings for vulnerability detection in URLs.
- Created a lightweight log aggregator based on Redis streams used across internal services.

Golang, Python, Vue.js, Redis, MongoDB, Tensorflow

2017  
2 mo. contract

### Software developer

Ziwit, HTTPCS

- Developed a robust web crawler for dynamic pages endpoints discovery.
- Contributed to full-stack development on map.HTTPCS.com and HTTPCS.com user console

Python, Javascript, Selenium, Redis

2016  
6 mo. internship,  
2 mo. contract

### Web developer

Ziwit, HTTPCS

- Created the map.HTTPCS.com Cyber Attacks interactive website.
- Refreshed HTTPCS.com visual identity and led the front-end development.
- Implemented an online SSL Certificate validity checker using OpenSSL.
- Developed of a PDF user reports generator using server-side LaTeX compilation.

Python, Javascript, PHP, MySQL

## EDUCATION

2017 / 2019

### Master's Degree - Artificial Intelligence

Université de Lyon

Scored 985/990 at the TOEIC test.

2016 / 2017

### Licence - Computer Science

Université de Montpellier

Ranked 1st out of 94, part of the *Cursus Master Ingénierie* program.

2014 / 2016

### DUT - Computer Science

IUT Montpellier-Sète

Ranked 4th out of 104.

2014

### Scientific Bachelor's Degree

Lycée Jacques Prévert, Alès

Graduated with high honors in the European section.

## LANGUAGES

**French**

Native proficiency

**English**

Professional proficiency

**Korean**

Currently learning