ETIENNE LEFEBVRE

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I'm a 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.

Technologies	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

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 developper   **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