



DevOps engineer & back-end developer
Master in CS & Software Engineering
<https://frederic-oddou.pro/>

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Frédéric ODDOU

- Passionate, innovative, independent.
- I want to specialize in **architecture** and **cloud computing**.
- Fav technologies: **PHP, Symfony, Docker, MySQL, RabbitMQ, Kubernetes**.

WORK EXPERIENCE

Since April 2023

AramisAuto – DevOps engineer

AramisAuto is a leading online platform for buying and selling new and used cars in France.

- Leading a project to standardize CI/CD pipelines using **CircleCI**.
- Enhancing VM monitoring by installing agents/APIs on each VM using Ansible, configuring **Prometheus** and **Grafana** dashboards.
- Automating MySQL backup and restoration with **Ansible playbook**.
- Creating **HELM** charts for both production and non-production environments.
- Provisioning new AWS resources **Terraform**.



Since May 2021

Cuult – Back-end developer & DevOps engineer

Cuult is a virtual movie theater platform.

- Re-creation of an API from scratch respecting development standards and prioritizing performance.
- Development of new features.
- Video production with **AWS** Mediaconvert + Cloudfront + S3.
- Installation of development tools such as gitlab, gitlab ci, ansible, nexus, ELK.
- Responsible for **multi-platform** releases (france, uk, us, switzerland, temporary events) and gitflow management.
- Developing a **VOD** system with stripe and PostFinance payment.



April 2020 - April 2023

France Televisions – Back-end developer

Working at the Video-Factory team, as a **PHP/Symfony** developer. High traffic / volume environment.

- In charge of the group's digital video creation **workflows** (replay+non-replay).
- Securing of video content, geoblocking, digital rights management.
- Develop in **micro services** architecture.
- Working on **gateway API** and event driven architecture.
- Respect and improvement of code quality, PHPUnit, Gitlab CI.
- Developing new video command tool backoffice using **hexagonal architecture + DDD**.
- Developing with Docker, MongoDB, RabbitMQ, SNS / SQS, ElasticSearch.



September 2019 - March 2020

Klaxoon – Web developer Back-end

Klaxoon increases collaboration in meetings with tools like Storm, Challenge and Meeting apps, that allow everybody to participate and generate feedback on-site or remotely. Working on **PHP Symfony 2 & 4**, RabbitMQ, ElasticSearch, Mysql, Redis and Docker.

- Contribute to the development of **high traffic web platforms**.
- Develop in **micro services architecture** and with API culture first.
- Participate in technical orientations and **optimization research**.
- Development of unit and functional tests: PHPUnit, Prophecy, Behat.

Klaxoon

April 2018 - August 2018

PagesJaunes SA – Software Engineer Intern

PagesJaunes SA offers local advertising and information services via internet, mobile, and print media.

- Migrating **RabbitMQ** and traceability support to ServiceBus (**Microsoft Azure**) and Datastore (**GCP**) technologies using **Java (Spring)**.
- Developing a **continuous delivery dashboard** using **Angular**.



- Proof Of Concept of **GraphQL** for micro service architecture.

September 2017 -
May 2018

EPITA – Computer Science Teaching Assistant

Epita is an engineering school based on computer science.

- Helping students during the practical works in **OCaml** and **C#**.
- Project evaluation and competitive exam surveillance.



February 2017 -
February 2018

EPITECH – Teaching Assistant

In parallel with my studies, I supervised and helped the younger promotions as a teaching assistant..

- Responsible for the training that includes follow up and projects defense.
- Able to **explain concepts** in the field of programming skills (**C**, **UNIX/Linux**, **SQL**).



November 2014 –
November 2019

NetFoxMaking – Freelancer

- Developing web sites for associations and private individuals.
- Managing and developing games by web browsers.
- Developing scripts and programs on demand.
- Management of an infrastructure of multiple websites with automated deployments.



September 2012 -
August 2015

USL-Badminton – Volunteer

USL-Badminton is a badminton club in Normandy, France where there are national competitors and recreational players.

- Development of a website that allows players to register for tournaments.
- **Newsletter** management and **social networks**.
- **Advertising** creation for sporting events.



EDUCATION

June 2019 -
August 2019

UC Berkeley – University of California Berkeley

Summer Session on Computer sciences.

- CS 61A - Structure and Interpretation of Computer Programs
- CS 162 - Operating Systems and Systems Programming



San Francisco, Berkeley, USA

2018 - 2019

CSULB – California State University Long Beach

- American Language Institute Certification (ALI)
- CECS 326 – Operating Systems
- CECS 453 – Mobile Application Development
- CECS 475 – Software Development with Frameworks
- CECS 445 – Software Design and Architecture



Long beach, USA

2015 - 2020

EPITECH – European Institute of Information Technology (GPA: 3.56/4.00)

Innovation technology and computing expertise school.

- Software engineering and computer science classes
- Advanced C & C++, Advanced UNIX Programming
- System security, Java, Infographics programming
- Advanced databases SQL
- Network and OS management



Rennes, France

July - December
2016

EF – Education First

International school for English improvement abroad.

- Intensive course
- SPIN class: TOEIC / Movie / Music / Culture / News / Vocabulary / Business



Education First

Brisbane, Australia

Auckland, New Zealand

TECHNICAL EXPERIENCE AND PROJECTS

February 2018 -
Jan 2020

PicChase – Architect developer

Final school project for three years consisting to relate journalist and particular user to sell an event picture for magazine.

- Developing **microservice architecture** using **Laravel** and **Symfony 4** for the back end of the application.
- Using **Google Cloud Platform** services and **NodeJS** for asynchronous consumers: Google Pub/Sub, Datastore, Google Cloud Vision, Google Storage.
- Developing **supervision tools** such as continuous delivery dashboard using Gitlab API and traceability workflow to handle issues faster.
- Using **MySQL** as a principal Database engine and **ELK** for logging (infra + applicative).
- Testing environment with **Gitlab CI / Jenkins**.



February - May
2019

Swipeful – Back end developer and mobile developer

Application to organize your trips. We find interesting places to visit near a desired city or country. Then you have the possibility to save the place in a list.

- Using GCP services: Google App Engine & Google Maps API.
- Developing REST API in **NodeJS** and **MySQL**.
- Developing application with **Android Studio, Java**.

June - July 2017

Zappy – Lead developer

Group project to gather all the knowledge acquired during the two years of Epitech.

- **Network**, memory, **AI** and **graphics** combined in **C / C++**.
- Adding an administrator management to the web server.

January 2016 –
October 2017

Epirank – Creator

After the collection of the Epitech students information, the website can sort the students with many orders.

- Synthesize student tracking information.
- Module of follow up for all students used by administration staff.
- Using **PostgreSQL, Varnish, PHP, Twig, Python, Bootstrap**.

April - June 2016

42sh – Lead developer

The 42SH is a Epitech project. This is to reproduce a **UNIX shell** in **C**.

- Management of simples commands, pipes and redirects, scripting, process management.
- Getting a lot of knowledge in running linux such as **management of subprocess**.
- Managing the missions and **deadlines** of a team.

<https://github.com/faille76/42sh>

2010 - 2019

NetGame – Creator

Browser gaming platform that reference Ogame. I have developed a private server with the demands of their players for a better gaming comfort using **php, mysql, SmartyPHP**.

- Management of a **support team**.
- Development of a support engine and a monitoring dashboard to manage several games.

Since 2013

NetCMS – Creator

A web interface that allows customers to easily configure their website.

- This is a base that allows easy installation of modules with an optimized **framework (Symfony 5)** and **template** management with Twig.
- Using DDD, Hexagonal architecture, CQRS + EDA
- **SEO referencing** and **material design**.
- Technologies used: PHP7.4 / Mysql – HTML5 / CSS / JS – Symfony 5 – Twig – Docker.

<https://github.com/faille76/netcms>

2011 - 2012

Funodio – Creator

With my passion for music, I developed a web radio with a music streaming service.

- Development depends on **API**.
- With more than 100 auditors, we increased the size of the team.
- Technologies used: PHP / Mysql – HTML / CSS / JS.

TRAINING & CERTIFICATION

2023

- Apache Kafka (Sparks)

2022

- Training in Distributed Content Networks: Web & Video CDNs (Télécom Evolution)
- Eco-design Training & Awareness (Zenika)
- Project Management Training (Link-Value)

2021

- Agile SI Architecture Training (Zenika)
- Kubernetes Training (Link-Value)

2019

- Online training in Architecting with Google Cloud Platform Specialization (Coursera)

Want to know more?



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