Back-end developer
Master in CS & Software Engineering
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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, Bootstrap, Java, C/C++, Unix, Go**

WORK EXPERIENCE

Since April 2020

LinkValue – Back-end developer
Consulting company in P2P (partner to partner). Mission at *France Télévision* in the VideoFactory team. Working on **PHP Symfony 3, 4 & 5**. 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 architure** + **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.
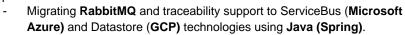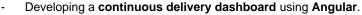- Contribute to the development of **high traffic web platforms**.
- Develop in **micro services architecture** and with API culture first.
- Participate in technical orientations and **optimization research**.
- Development of unit and functional tests: PHPUnit, Prophecy, Behat.

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

Brisbane, Australia
Auckland, New Zealand

TECHNICAL EXPERIENCE AND PROJECTS

| Since March 2018 | **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.

Want to know more?

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