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Benjamin Lopez

Education

- 2019 **Master's Degree in Computer Science**, *University of Lille, France*.
Specializing in Networking, System Administration and Security
- 2017 **Bachelor's Degree in Computer Science**, *University of Lille, France*.
- 2016 **Technology Degree in Computer Science**, *University of Lille, France*.

Professional Experiences

- 2018–present **R&D Engineer**, *Worldline, Seclin, France*, Permanent contract & Apprenticeship.
 - Multi canal iOS Wallet app (Ultrasound, Li-Fi, BLE, NFC, QRCode)
 - Analysis, tracking and recommendations to make a Chatbot smarter
 - iOS Accessibility app to help visually impaired people use payment terminals
 - Public and intern presentations of demonstrations and researches
 - Ephemeral iOS self-service app involving machine learning product recognition
 - Exploratory work on Progressive Web Apps, In-Car experience, Beacons/Geofencing
- 2020 **Master's Degree Teaching Fellow**, *University of Lille, France*.
Cloud Administration and Deployment teaching to 4th and 5th year university students
- 2017 **Front-end Developer**, *OpenIO, Hem, France*, Internship.
Configuration and monitoring dashboard for an Object Storage solution
- 2016 **Full-stack Developer**, *Info GT2000, Montreal, Canada*, Internship.
Sport Tournament Management Website

Personal Experiences & Technologies

- Rust
 - Temporary file hosting solution; *HTTP API, Async, Database, Web client*
 - Minecraft server implementation; *Async, reverse engineering, multi-client*
 - IFTTT Maker Event client; *API, Async, Imgur*
 - Advent of Code 2015 to 2021 (175 algorithm challenges)
- Golang
 - Fast food promo code generation; *Web scraping, HTTP API, Pool*
 - Mega.nz download command wrapper; *Unix command*
 - YouTube video link extractor; *API, reverse engineering*
 - Web Radio player; *HTTP, ffmpeg, m3u8/HLS, Pandora*
 - HTTP to MQTT proxy
- NodeJS
 - Multiplayer Web based games: Snake, Tic-Tac-Toe, Tetris
 - OVH domain manager; *CLI, API*

Server administration.

Administration, Maintenance and Deployment of Services on Dedicated Servers and VPS
OS Knowledge: Arch Linux, Ubuntu Server, Debian; MacOS for personal use

Open Source Projects.

Almost all of the projects described above are open sourced and hosted on GitHub. I also like to rewrite some of my main projects in new languages when I want to improve my skills in the said language.

Hobbies & Other Information

Traveling, 2 years in Hong-Kong, 6 months in Indonesia, 2 months in Canada and multiple smaller periods of time, mainly in Asia.

Games, In-game theory-crafting and economy analysis.

Other, Good Food & Restaurants, Table Tennis, Prevention and civic relief.