

## Experience

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### Swift

The Society for Worldwide Interbank Financial Telecommunication (SWIFT) manages telecommunication between banks and financial institutions. The service is used in 205 countries, facilitating transactions amounting to trillions of USD daily. It has the most stringent software security, availability, and reliability requirements.

### DevOps Engineer

I work on a project that aims to unify the technical requirements and qualities of all Swift projects. The platform I am involved with manages packaging, encryption, observability, resilience, and more. I focused on packaging and deploying this project alongside downstream projects. I contributed to the software by designing and implementing a network outage detection system using *Java*, *Spring*, and *Kafka*. I utilized *Maven*, *Helm*, *RPM*, and *Podman/Docker* to package software. I designed and implemented *Jenkins* pipelines to build, test, release, and deploy applications to *OpenShift Kubernetes*. My expertise on *Linux*, *Bash*, *Git*, and *Maven* enabled me to automate releases and generate reports necessary for audits.

January 2022 to Present

### Odo

Odo assists in digitalizing companies by providing a comprehensive web platform. It includes modules such as accounting, sales, CRM, project management, timesheet tracking, and website creation.

### Software Developer

I worked on the accounting and payment modules, eventually specializing in *performance optimization*. I utilized the in-house *Python* framework to add accounting support for Israel, Italy, and Sweden. Additionally, I resolved performance issues reported by clients. This involved reducing algorithm time complexity, enhancing the query plan of *SQL* queries, prefetching web components, increasing cache hit rates, and fixing unhandled exceptions.

October 2019 to December 2021

### Altissia International

Altissia builds and maintains an online language learning platform. It primarily sells to institutions and businesses looking to train their employees. The platform is utilized by Erasmus+ and Wallangues.

### Web Developer

I began by creating a *NodeJS* tool to generate new microservices following company conventions. I contributed to the *Spring Boot* backend and developed new APIs. Additionally, I integrated client authentication infrastructures into our *Spring Security* chain. My work primarily focused on improving the *MySQL* data schema. I analyzed migration scripts by visualizing test results with the *Python* library *Matplotlib*. To assist the overwhelmed frontend team, I learned *Angular 2* and helped create reusable components.

March 2015 to October 2019

## Skills

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- DBMS: Kafka, MySQL, PostgreSQL, SQLite
- DevOps: Ansible, Git, Helm, Jenkins, Kubernetes, OpenShift
- Packaging: Docker, dpkg, GNU make, Maven, Podman, RPM
- Programming Languages: Bash, Java (Spring), Javascript, Golang, Python

## Education

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Master's degree in Computer Science	Université de Namur	2022
Bachelor's degree in IT and Management	IFOSUP	2019

## Languages

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- French: Native
- English: Fluent