

# Thomas DERUDDER

SOFTWARE ENGINEER · ON BOARD DEVELOPPER

☎ (+33) 6 03 11 44 59 | ✉ thomas.derudder@kodelab.fr | 🏠 www.mypatch.fr | 🦾 athomsAF

## Experience

### Apprenticeship Data Engineer

FRENCH ARMY MINISTRY

France, Paris

September 2023 - Today

- Creation of intelligent on board application for traduction
- Presentation and management of the FabLab
- Formation of employees and externals

*Management of project, Knowledge sharing, Dev-ops  
Linux, Python, cpp(arduino), Docker*

### Creation Fablab

FRENCH ARMY MINISTRY

France, Paris

June 2023 - September 2023

- Creation of a Fablab for the Labo BI at French Army laboratory
- Creation of an application for the management of the FabLab

*Group Work, Project Management, Important presentation  
Flutter, Python, Rust, Git*

### Classroom Instructor

ESILV AND EMLV

France, Courbevie

2022 - 2023

- Final Class teacher about electronics (25h)
- Instructor at the Devinci Fablab in Computer Science and Electronics (120h)

*Teaching, Communication, Empathy & Patience*

## Education

### Engineering Degree in Computer Science

ESILV (ECOLE SUPÉRIEURE D'INGÉNIEURS LÉONARD DE VINCI)

France - Courbevoie

2021-2026

- Third Year class in Cybersecurity and Cloud Computing
- Work-study with the French Ministry of the armed Force

## Extracurricular Activity

### Creation of a bootable archlinux distro

GITLAB

gitlab

January 2024 - Today

- Deep understanding of all parts in a linux distribution
- Creation of a custom desktop environnemt from server edition of Archlinux
- Customization of all parts from the session manager to the window manager.
- Creation of a big documentation of whar we know about linux

*Linux (from scratch), C(dwm), bash, dotfiles*

### Creation of a to do app linked with gitlab

GITLAB

gitlab

January 2024 - March 2024

- Creation of a tui in rust for the app
- Management of data and of permission with gitlab and the database

*Rust, GRPC, gitlab, sql(postgresql)*

### Embed developpement on rover

DAVINCI BOT

France - Courbevoie

2023 - 2024

- Creation of a radio module with crypted communication
- Creation of an autonomous system for the rover

## Skills

### DEV-OPS & Cloud

Docker, Git, CICD, Web API(REST *fast api*, *actix* & GRPC *tonic*), SQL

### Programming

Python, Rust, Linux/cli, DotNET (C#), cpp for *Arduino*, Html, React, LaTeX

### Soft Skills

SCRUM, Agile Method, Team Work, Share knowledge

### Languages

French (native), English (B2 : TOEFL), German