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PROFIL

Fascinated by computing and automation, I have worked through various collaborative projects on technical challenges ranging from **home automation** to **heavy clients**, as well as the design of **web applications**. These experiences exposed me to **maintainability** issues, steering me toward sound architectural, algorithmic, and project-management practices.

More recently, I have focused on the requirements of SaaS applications, including **scalability**, **resilience**, and **adaptability** to customer needs.

EXPERIENCE

Fullstack Apprenticeship at Ciril GROUP® – CESI

2025 2027 •

SMART® · Computerized Maintenance Management System

SaaS Java/VueJS tool simplifying asset monitoring and maintenance

- Geospatial decision support for preventive & corrective maintenance
- Route optimization & multi-constraint scheduling
- Algorithms & heuristics: A*, Christofides, Simulated Annealing...
- Scientific methodology & operations research

Fullstack Internship & Apprenticeship at Ikattan® – BUT & CESI

2023 2025 •

Ikadips® · Smart Electrical Network Modeling

Express/React tool facilitating renewable energy integration

- SaaS application in microservices, deployed on a secure private cloud
- Simulation, visualization, and web modeling of electrical networks
- Automated testing (unit, integration, E2E, load) and CI/CD
- Performance audits, risk analysis, and application security

5th Semester Project – Engineering Cycle

2025 •

EasySave® · Automatic File Backup Tool

C# .NET 9 desktop app using Avalonia for cross-platform support

- Automated, encrypted, and prioritized local/remote backups
- CI with SonarQube, coverage reports, and documented releases
- Software safety compliant (robustness, resilience, traceability)

Association Project

2025 •

Latitudes® · AI Awareness Project

Workshops on generative AI, its applications, and associated biases

- Learning and presenting to diverse audiences
- Critical analysis of algorithms, ethical and societal implications

Supervised Project – 3rd Semester BUT

2023 •

Parraindex® · Student Mentorship Social Network

PHP application modeling inter-student mentoring at IUT Lyon 1

- CLEAN architecture, unit testing with PHPUnit
- Symfony-like structure: routing, services, dependency injection
- Mail server, log management, and production deployment

Physics Olympiad Project – 2nd National Place

2020 2021 •

Thermick® · Thermal Resistance Probe

Probe measuring thermal resistance for humanitarian aid

- Multi-physics modeling and data processings
- Experimental approach and introduction to metrology
- Agile organization with Kanban, coordination in a team of three

SKILLS

- HTML · CSS / SCSS

JavaScript · TypeScript

Java · Spring Boot

React · Angular · Vue.js

C# ASP .NET

Orchestration · GitOps

PHP · Symfony

Cloud Computing
- Full-spectrum testing

Data Engineering

CI/CD · Logging

Software Architecture

SQL · NoSQL

System Administration
- BASH

Project Management

POWERSHELL

Agile Methods

EDUCATION

- Engineering School - CESI Lyon

Track: Computer Science

CESI Lyon, Villeurbanne

2024-2027
- University Technology Bachelor

Track: Application Development

IUT Lyon 1, Villeurbanne

2021-2024
- High School Diploma with honors

Focus: Mathematics | Engineering Sciences

Lycée Gustave Eiffel, Dijon

2021

TOOLS

- IDE:** VS Code, IntelliJ, Rider
- Containers:** Docker, Compose, Kubernetes
- CI/CD:** Git, GitLab CI, ArgoCD
- Automation:** Ansible, OpenStack
- Web Servers:** Nginx, Apache 2
- Productivity Tools:** Office Suite, Figma, Premiere
- Databases:** PostgreSQL, Oracle
- Big Data:** Hadoop Cloudera

LANGUAGES

- French**

Native
- English**

Technical – TOEIC 710