

# LILIAN BAUDRY

COMPUTER ENGINEER

## INTERNATIONAL FULLSTACK DEVELOPMENT INTERNSHIP



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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 processing
- 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

<b>Engineering School - CESI Lyon</b>	
Track: Computer Science	
CESI Lyon, Villeurbanne	2024-2027
<b>University Technology Bachelor</b>	
Track: Application Development	
IUT Lyon 1, Villeurbanne	2021-2024
<b>High School Diploma</b> with honors	
Focus: Mathematics   Engineering Sciences	
Lycée Gustave Eiffel, Dijon	2021

## TOOLS

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

## LANGUAGES

<b>French</b>	Native
<b>English</b>	Technical – TOEIC 710