

Mathis AUBERT

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Skills

Back End development: Java • Python • Node.js • .NET

Front End development: ReactJS • Angular • Py4Web • JavaScript • Bootstrap • HTML • CSS

Miscellaneous: Microservices • JWT • MongoDB • PostgreSQL • Google Cloud • GitLab • Confluence • Azure DevOps • Agile Methodology • Docker • Maven • Operational Research

Big Data: Talend • ETL • Hadoop • Power BI • Cloudera

Soft Skills: Team player • Autonomous • Deliver Results • Self-starter • Thorough • Motivated • Leadership

Work experience

Sopra Steria

Full Stack Software Engineer Co-op

Lyon, FRANCE

October 2022 – September 2025

Project at Volvo Group:

- **Enhanced web applications** deployed in 1400 stores across 150 countries.
- **Created a Green IT process and report to Volvo management**, using a Chrome extension for analyzing 70+ applications.
- **Migrated the application server** from IBM WebSphere to Red Hat JBoss.
- **Implemented a GitHub action pipeline**, resulting in a 6x increase in deployment speed.

Project at EDF (Electricity of France):

- **Implemented European and French regulation** inside 18+ Java applications.
- **Improved the web application portal** built with Java Server Faces, impacting all French electricity production (4000+ producers).
- **Upgraded the compiler version** from Java 6 to Java 8.
- **Migrated the front-end library** from RichFaces to PrimeFaces.

UC Santa Cruz

Research Software Engineer Intern

Santa Cruz, CA, USA

May 2024 – September 2024

- **Developing a Python web application** to calculate and visualize birds' connectivity worldwide.
- **Deploying it on Google Cloud** for scalability and reliability.
- **Designing an efficient user experience (UX)** for over 80,000 scientists creating reports.
- **Contributing to environmental preservation efforts** by supporting government and non-governmental organizations.

Sopra Steria

Software Engineer Intern

Lyon, FRANCE

April 2022 – July 2022

- **Designed and implemented a Java software from scratch** that converts PDF purchase orders into a common Excel format, resulting in a 12x increase in Sales Managers' task efficiency.
- **Automated tasks using VBA** to track employee planning and calculate monthly financial reports, leading to a 10x improvement in Project Managers' task speed.
- **Served as the youngest Software Engineer Intern** at Sopra Steria France (20,000 employees).

Education

UC Santa Cruz

PhD student in Computer Sciences

Santa Cruz, CA, USA

October 2025 - Present

CESI Graduate School of Engineering

Engineering Degree in Computer Sciences – *Summa cum laude*

Lyon, FRANCE

July 2022 - September 2025

Awards

Hackathon AI Winner

June 2023

Created an innovative product to revolutionize the remote-control experience using TOF technology and AI.