

Benjamin Charmes

FULLSTACK DEVELOPER

Fullstack · Chemistry · Open source

CONTACT

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TECH STACK

FRONTEND

- Vue.js
- React
- TypeScript
- React Native

BACKEND & DATABASES

- Python
- Flask
- SQLAlchemy
- PostgreSQL
- MongoDB

DEVOPS

- Docker
- GitLab CI/CD
- Kubernetes
- Jenkins

LANGUAGES

- FrenchNative
- EnglishC1

STRENGTHS

- Autonomy & initiative
- Scientific rigour
- Fast learner
- Complex problem solving

INTERESTS

- Science & Research
- AI & Emerging technologies
- Five-a-side football
- Video games & Manga

Fullstack developer with a background in **Chemistry** (MSc, Université d'Aix-Marseille). Active contributor to **Datalab**, an open-source data management platform for research laboratories developed at the **Department of Chemistry, University of Cambridge**. Comfortable across the full stack — Vue.js, React, Python/Flask, MongoDB, Docker — with a particular focus on UX in scientific environments.

Work experience

Fullstack Consultant

Feb. 2026 → Present

Abylsen · Permanent · Aix-en-Provence · Hybrid

Fullstack web development missions in a consulting environment. Agile/Scrum methodology. Stack: **Python** · **Flask** · **Jinja** (backend), **React** · **TypeScript** (frontend), **Docker** · **GitLab** · **Kubernetes** · **Jenkins** · **Rancher** · **XL Deploy** (DevOps).

Fullstack Developer Consultant

Sept. 2024 → Present

Datalab Industries Ltd. · Freelance · United Kingdom · 100% remote

Contributing to the development of an open-source scientific software platform — **Datalab** — dedicated to the management and analysis of chemistry research data. New feature development, UX improvements and platform support. Stack: **Python** · **Flask** · **MongoDB** (backend), **Vue.js** (frontend), **Docker** · **Git** (DevOps).

Fullstack Developer

Mar. 2024 → Mar. 2025

Université de Cambridge, Grey Group · Dept. of Chemistry · Cambridge, UK · Part-time · Hybrid

Mission attached to the Department of Chemistry, University of Cambridge, as part of the Datalab project. Same technical scope as the Datalab Industries mission, with direct and regular collaboration with the research team.

Web Developer — Internship

2023

Loxpert · France · 100% remote · 8 weeks

Front-end development of a **React Native mobile app** from Figma mockups. Optimisation of the web platform as a **PWA** (Vue.js).

Physics & Chemistry Teacher

2019 → 2022

Académie Aix-Marseille · Secondary schools, PACA region

Teaching across several schools in the region.

MSc Internship — Analytical Chemistry

2018 · 6 months

Robertet · Grasse · R&D lab, fragrance industry

Development of a GC-MS quantification method for farnesol in sandalwood essential oils.

Education

Web Developer Bootcamp

The Hacking Project
2022 - 2023 · Remote

MSc Chemistry (M2 PACS)

Faculté des Sciences Saint-Jérôme
2016 - 2018 · Marseille
Advanced Analytical & Spectroscopic Chemistry

BSc Chemistry (3rd year)

Faculté des Sciences Saint-Jérôme
2015 - 2016 · Marseille

DUT Chimie

IUT Saint-Jérôme
2013 - 2015 · Marseille
Analysis & Synthesis specialisation