

Adrien FAURE

Fullstack Developer, PhD

Grenoble – France

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I am seeking remote freelance fullstack development opportunities.

Professional Experience

since 2022 **Freelance Developer – Aktid Client**, Remote, France

Development of a dashboard for AI algorithms:

- Architecture design: backend, frontend, and database
- Backend development – Machine learning algorithms, database, REST API
- Frontend development – React, websocket, visualization, and alerting
- Deployment: docker compose, debian
- Presentation and training of Aktid collaborators for project handover
- Languages and technologies: Python (asyncio), React, Typescript, Postgres

2021–2023 **Fullstack Developer – R&D Engineer, LIG**, Grenoble, France

Lead developer on OAR3 – Python, Linux

- Development: Adding new features, improving code quality
- Continuous integration (github actions), user support, and package maintenance (debian, nix)
- Benchmarking and evaluation, performance improvements
- International collaboration: Integration of third-party software (monitoring, message-queue)
- Development and design of satellite tools for the project

Mediation, supervision, and training:

- Best practices, user guides, getting started, diagrams and schematics
- Documentation of reference API
- Writing tutorials

Languages and technologies: Python, Linux, Postgres, Docker, Nix, Debian

2017–2020 **Industrial Ph.D. (CIFRE)**, Atos – UGA, Grenoble, France

Thesis Topic: Advanced Simulation for Supercomputer Resource Management

- Python, C, C++, R, Rust, Spark

2017–2023 **Adjunct Lecturer**, UGA, Grenoble, France

Undergraduate, Master, IUT: Devops, Algorithms, Software Quality and Security, Git

Education

2017–2020 **Ph.D. in Computer Science**, Université Grenoble Alpes – Atos, Grenoble, France

2015–2016 **Master in Computer Science**, Joseph Fourier University, Grenoble, France

2010–2014 **Bachelor in Mathematics and Computer Science**, Claude Bernard University Lyon 1

Skills

Languages C, C++, Python, Rust, Bash, R, JavaScript, Nix, Typescript, Go, Java, Json, Yaml, Html

Skills Linux, Git, Docker, Database, Distributed Systems, Multithreading, Data Analysis

Soft Skills Autonomous, Accepts criticism, Enjoys learning, Occasionally humorous

Languages French (native), English (professional)

Sports and Hobbies Cycling, Running, Painting, Drawing, Reading, Video Games