

David Allouche
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Senior backend engineer

Excellence, autonomy, and teamwork

Fluent English. Native French.

04/2025 – 06/2025 Bootcamp Data Science & AI, Le Wagon

04/2009 – 03/2024 Technical founder, Intuition Software

Creation of the company Intuition Software with two partners.

Development and productization of an ATS (Applicant Tracking System) in **SaaS** (Software as a Service) mode. Sole developer for 7 years. Technical lead for 7 years.

- **Full stack engineer.** *Back-end:* Python, CherryPy, FormEncode, SQLAlchemy, REST, MySQL, Apache, nginx. *Front-end:* HTML, CSS, JavaScript, jQuery.
- **Requirements definition.** Gathering user requirements. Writing specifications.
- **Agile development.** *Test-Driven Development (TDD).* Code review and project tracking on GitHub. Continuous integration with Travis.
- **API REST. Integration** with external backend services.
- **DevOps.** Production deployment with shell scripts, AWS, Docker, Ansible. Monitoring with Elastic Stack, then Sentry.io. **Optimization** of SQL and Python code.

Solid experience in **successfully designing, building, deploying, maintaining and scaling** a large software project (200 klocs Python, 35 klocs HTML) over the long term.

Transmission of experience. Establishing *best practices* and mentoring junior developers.

06/2004 – 01/2008 Software Developer, Canonical

Development of **Launchpad**, a web service for software developer collaboration.

Agile development methods: small iterative cycles, extensive use of automated test suites, development on isolated branches, peer review, continuous integration.

Operating system: Ubuntu (Linux). **Environment :** Zope, PostgreSQL, Apache. **Languages:** Python, SQL, HTML, CSS, JavaScript.

12/2002 – 04/2004 Research valorization engineer, CNRS

Within IRMAR, a mathematics research institute affiliated with the CNRS.

1999 – 2002 Master 2, CYTech Engineer, Cergy

Engineering school with a focus on computer science. **Option:** Intelligent systems engineering.