



Sébastien Mariaux

5 years of experience

34 years old

Aix-en-Provence – France

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Introduction

Self-taught in coding, I work as a full-stack developer, with a preference for back-end programming.

I'm looking for freelance missions, full-remote.

Preferred stack

- Python - Django
- Ruby-on-Rails
- Javascript - React

Languages

French	Native language
English	Fluent
Spanish	Notions

Personal projects

See page 6

Freelance Web Developer Python – Ruby – Javascript

Recent experiences

Back-end Developer (Ruby-on-Rails) | [Regate](#)

[Since Apr. 2023](#)

Startup, ~120 employees, 50 developers on a single monolith application for expert accountants and CFOs.

Front-end Developer (React, React Native) | [Ajonc \(ex-Servebox\)](#)

[Jan. 2023 – March 2023.](#)

IT services provider, ~6 employees working on multiple projects for clients in various industries.

Full-stack Developer (Ruby-on-rails, React) | [Servebox](#)

[Aug. 2019 – Nov. 2022.](#)

IT services provider, ~10 employees working on multiple projects for clients in various industries.

Back-end Developer(Python, Django) | [High-Testing R&D](#)

[Sept. 2018 – July 2019.](#)

Startup, ~10 employees, working for both customer and internal projects.

See full list on page 2.

Skills

Programming!

Unit testing, code review, with a focus on code quality.

Functional and technical design

Definition of the client needs and design of the technical solution

Production monitoring

Technical support, resolution of anomalies

Education

Since 2015... Self-training in programming

[OpenClassrooms](#), [Exercism](#), [online courses](#), [tutorials...](#)

2019. PhD in Business Administration

[Aix-Marseille University – IAE](#)

2013. Master in research and consulting

[Aix-Marseille University – IAE](#)

2011. Master of management (1st year)

[Paris Dauphine University](#)

2007. 1st year of preparatory class for engineering schools

[Gay Lussac High School - Limoges.](#)

2006. Scientific baccalaureate

[Limosin High School - Limoges.](#)

All Experiences

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Assisting teacher | Aix-Marseille University – IAE (PhD candidate)

Sept. 2015 – Aug. 2018.

IAE is an Institute of Business Administration – I was conducting research and teaching accounting and statistics to undergraduate students.

Organization consultant | Mazars

Sept. 2013 – Aug 2015.

Leading audit and consulting firm based in Paris – I worked for several clients on projects in Insurance and Banking industries.

Accounting assistant | CACEIS (Apprenticeship)

Sept. 2009 – Aug. 2011.

Banking services within the Credit Agricole Group

Projects details

2023 Backend Developer (Regate)

Regate is a French startup created in 2020 that builds an web application for expert-accountants and CEOs. The IT department is organised on squads handling different functional scopes.

SASS application for accounting services

- Developing new features in the purchase squad
 - Fixing bugs and anomalies
 - User support, data fix in the production database
 - Refactoring legacy code
- ⚙️ RoR, React.js, Postgres

2019 – 2023 Mobile and Web development (Servebox - Ajonc)

Servebox became Ajonc in January 2023. After being employed by Servebox, I joined Ajonc as a Freelance developer.

SASS application for industrial sector

- Developing new features (back and front end) with scrum methodology
- ⚙️ RoR, Stimulus.JS, Semantic UI, Postgres

API for a general public mobile app

- Functional and technical conception of the project
- Development of a public API and two inter-application APIs
- Utilisation of multiple databases on a same project
 - ⚙️ RoR, Postgres, MySQL, MongoDB

Front-end application migration from Flex to React

- Flex code retro-engineering and writing user-stories
- Features development
 - ⚙️ ReactJS

Mobile application for comic-book collectors

- Features development
 - ⚙️ React Native (Expo)
- Providing user support

Calls for tender for various customers

- Customer needs assessment
- Writing and estimating user stories (epics)
- Writing Calls for tender

2018 – 2019 Web Development (*High-Testing R&D*)

Development of an e-commerce website

- Development of data-model, catalog, user management and basket
 - ⚙️ Django-Oscar, API Rest / Soap – JQuery, Bootstrap
- Writing project technical documentation
- Participation in customer meetings

Web application for static pages generation

- Refactoring existing code
- Development of new features
- Adding unit tests
 - ⚙️ Django – Celery – API Rest – GeoDjango – PostGIS
- Contribution to an open source software : Zola (in Rust)

Reference: <https://github.com/getzola/zola/pull/619>

- Coordination of the team (an apprentice developer, an integrator, a configurator, etc..)

2015 – 2018 Academic Reserch (*Aix-Marseille Université*)

Studies carried out in a research laboratory and supervised by a thesis supervisor (University Professor).

Study of eco-innovation strategies in the social economy

- Creation of an online questionnaire to collect data
 - ⚙️ HTML5 / CSS3 / PHP / SQL
- Processing and analysis of data collected (quantitative methods)
 - ⚙️ Python Notebook (Pandas, Matplotlib, Scikit-learn, SciPy)
- Study and treatment of missing values; Validity testing of measurement scales (Cronbach's Alphas); Component reduction (PCA); Regression models (direct effects and moderations); Classification of respondents (CAH).

Study of the environmental discourse of SSE organisations on the social network Twitter

- Data collection: creation of a script to query the Twitter API.
 - 📁 ~950 000 tweets collected, 1110 users
 - ⚙️ Python (Twython, SQLAlchemy)
- Data analysis: quantitative analysis and Natural Language Processing
 - ⚙️ Python Notebook (Pandas, Matplotlib, Scikit-learn, SciPy), R (FactoMineR)
 - 🔍 Text processing (lemmatisation, reduction); study of user communities (network analysis); extraction of themes (unsupervised methods); study of rhetorical strategies (supervised methods - Naives-Bayes and factorial analysis - AFC); comparison of the performance of tweets by category (comparisons of means; non-parametric methods).
 - 📖 Mariaux, S., & Reynaud, E. (2017). Promouvoir la transition écologique : une exploration de la rhétorique des organisations de l'ESS sur le réseau social Twitter, 12ème Congrès du RIODD, Paris, France, 19-20 octobre.

Study of the discourse of SSE organisations on their websites

- Data collection (100 websites)
- Data processing (Natural Language Processing)
 - ⚙️ Python (nlk)
- Data analysis (factorial correspondence analysis)
 - ⚙️ R (FactoMineR)
 - 📖 Mariaux, S., & Reynaud, E. (2018). L'Économie Sociale et Solidaire et ses parties prenantes : une étude du discours, Finance, Contrôle, Stratégie (NS3).

2014 – 2015 IT project management (*Mazars*)

For a client in the insurance sector, development of data flows between the insurer and the contract manager (external) and implementation of management tools.

MOA - inter-company data flows

- Writing specifications
- Carrying out functional acceptance tests

Setting up organisational tools

- Performance monitoring tools (case processing)
 - Development of VBA macros for Excel

2013 – 2014 IT migration project (project owner) (*Mazars*)

For a client in the banking sector, development of the accounting chain for managing currency options with no impact for the end user.

- Project management (monitoring schedules, organising project meetings)
- Drafting of detailed functional specifications
- Interface with development teams

2009 – 2011 Accounting migration project (*CACEIS*)

Participation in the replacement of the accounting software (user side), implementation of new management processes.

- Expressions of need: mapping of accounting plans
- Development of SQL queries on the accounting database
 - ⚙ SAS Guide, SQL

Side Projects

Sebastien-mariaux.com

My personal website, including my experiences, education and side projects.

- ⚙️ React.js
- 🔗 github.com/sebastien-mariaux/site-perso-react
- 🌐 sebastien-mariaux.com

Freelance Planner

A calculator for freelance charges and revenues.

- ⚙️ React.js, TypeScript
- 🔗 github.com/sebastien-mariaux/freelance_planner
- 🌐 freelance-planner.sebastien-mariaux.com

Blind Journey

A kind of blind test where one should guess the prompt used to generate images with Midjourney.

- ⚙️ Django, Django-unicorn
- 🔗 github.com/sebastien-mariaux/BlindJourney
- 🌐 blindjourney.sebastien-mariaux.com

Droiche – The division game

A game inspired by French politics.

- ⚙️ VueJS, Flask (Python)
- 🔗 github.com/sebastien-mariaux/droiche
- 🌐 droiche.sebastien-mariaux.com

List-it !

A command line tool to create lists of things.

- ⚙️ Rust
- 🔗 github.com/sebastien-mariaux/list-it

Advent Of Code

My contribution to the game famous among developers: the advent of code!

- ⚙️ Rust, Python
- 🔗 2022 – github.com/sebastien-mariaux/AdventOfCode2022
- 🔗 2020 – github.com/sebastien-mariaux/AdventOfCode2020

Doctoral Thesis

"Social and Solidarity Economy organisations in the face of ecological challenges : strategies for communication and environmental action"

Thesis written to obtain a PhD in Management Sciences, defended in December 2019.

- ⚙️ LaTeX, Python
- 🔗 github.com/sebastien-mariaux/TheseESS