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Main languages

Ruby-on-Rails
Python - Django
Javascript - ReactJS

Technical Stack

Ubuntu
Git
PostgreSQL - MySQL
Docker
Ansible

Languages

French : native language
English : fluent
Spanish : notions

Sébastien Mariaux

Web developer

4 years of experience

Self-taught developer, I work as a full-stack developer, with a preference for backend programming.

I have professional experience with Ruby-on-Rails, Django and ReactJS, and I enjoy learning different languages (eg. Java, PHP, or more recently : Rust!)

Looking for a salaried or freelance position, near Aix-en-provence or full-remote

Professional experience

Full-stack developer (Ruby on Rails - React) | [Servebox](#)

Since August 2019

Backend developer (Python-Django) | [High-Testing R&D](#)

October 2018 - July 2019 (10 months)

Teacher - Researcher (PhD candidate) | [Aix-Marseille Université - IAE](#)

October 2015 - September. 2018 (3 years)

Organization consultant | [Mazars Consulting](#)

September 2013 - August 2015 (2 years)

Accounting assistant (apprenticeship) | [CACEIS \(Crédit Agricole Group\)](#)

September 2009 - August 2011 (2 years)

Compétences métier

Développement de nouvelles fonctionnalités

Tests unitaires (TDD), revues de code, suivi de la qualité

Conception fonctionnelle et technique

Prise en compte du besoin client, définition de la solution technique

Suivi de projets en production

Support technique, suivi et résolution des anomalies

Education

Since 2015 Self-training in programming

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

2019 PhD in Business Administration

[Aix-Marseille Université - IAE](#)

2013 Master in research and consulting

[Aix-Marseille Université - IAE](#)

2011 Master of management (1st year) - Apprenticeship course

[Paris Dauphine University](#)

2007 1st year of preparatory class for engineering schools

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

2006 Scientific baccalaureate

[Limosin High School - Limoges](#)

Programming experiences

2019 – 2020 Ruby on Rails and React development (*Servebox*)

Projects

- ✓ A SASS solution for the industry sector
- ✓ A React App for the food industry
- ✓ An API and calculation engine for a general public mobile application
- ✓ Project management tools
- ✓ A mobile application for comic book collectors

Technologies and languages

- ✓ Ruby, Ruby on Rails
- ✓ React – React Native
- ✓ HTML5 – CSS3, Javascript, JQuery, CoffeeScript
- ✓ Postgresql, MySQL, MongoDB

Other

- ✓ Involvement in project conception
- ✓ Writing and time estimation of stories

2018 – 2019 Python – Django development (*High-Testing R&D*)

Projects

- ✓ E-commerce websites
- ✓ A site generator for SEO purposes

Technologies and languages

- ✓ Python 3, Django, Django Oscar
- ✓ Celery, GeoDjango, Rest and Soap APIs
- ✓ Postgres, Postgis

Other

- ✓ Technical documentation
- ✓ Contribution to an Open-Source Project in Rust language (Zola)

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

2015 – 2018 Academic research (*Aix-Marseille University*)

Writing of a PhD dissertation and several academic papers using quantitative analysis.

- ✓ Twitter data collection using several Python scripts (approx. 950,000 tweets collected)
- ✓ Data processing and analysis using Python and R

Main libraries and algorithms

- ✓ Numpy, Pandas, Matplotlib, Scikit-learn, Scipy
- ✓ Text mining (NLTK), Network analysis,
- ✓ Supervised and non-supervised algorithm
- ✓ Factorial analysis, multiple regressions and other statistical analysis

References

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.

Mariaux, S., & Reynaud, E. (2018). L'Économie Sociale et Solidaire et ses parties prenantes : une étude du discours, Finance, Contrôle, Stratégie (NS3).

2014 – 2015 Management of IT projects (*Mazars Consulting*)

Consulting missions in the banking and insurance sectors

- ✓ Writing of VBA scripts for Excel and Access
- ✓ Writing of functional specification
- ✓ Functional testing
- ✓ Relations between operational and technical teams
- ✓ Project management

2009 – 2011 Accounting software migration (*CACEIS*)

Involvement in the migration process from the functional side (accounting team)

- ✓ Writing of functional specifications
- ✓ Coding of SQL requests on the accounting database