MIGUEL RENOM

Software Engineer,
Full-stack Developer,
Ph.D Candidate.

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Education

Ph.D., Human-Computer Interaction **Exp. 2022**

Université Paris-Saclay

Orsay, France

M.Sc., Human-Computer Interaction **2017-2018**

Université Paris-Sud

Orsay, France

B.Eng., Computer Science **2007-2014**

Universidad de la República

Montevideo, Uruguay

I am a Software Engineer and a Ph.D candidate at Université Paris-Saclay. I have 5+ years of industry experience as a Full-stack Developer, working on several projects involving Ruby, Ruby on Rails and JavaScript. I have architected and developed front-end and back-end applications as part of Scrum development teams, taking on the role of Technical Lead, Team Leader and Scrum Master in some of these. I speak very good English, French and Spanish.

Experience

Doctoral Researcher **Current**

Laboratoire de Recherche en Informatique (LRI)

Orsay, France

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I developed several prototypes of text editing environments for experimental protocols, based on VueJS and PaperJS, deployed as Ruby on Rails and Electron applications. I also coded visualizations and statistical analyses using Matplotlib, SciPy and basic visualization prototypes with D3.js.

Team Leader **2015-2017**

Moove-it S.A.

Montevideo, Uruguay

2

I led the development of three simultaneous projects involving a Ruby on Rails + JavaScript/jQuery website, its respective mobile applications for iOS and Android and a distributed payload processing server built on Apache Kafka. Additionally, I joined work on an AngularJS + UIRouter-based SPA for a home-education platform and the maintenance of a NodeJS REST API.

Technical Lead **2013-2015**

Moove-it S.A.

Montevideo, Uruguay

3

I worked on the development of internal tools for certificate compliance and asset tracking both using Ruby on Rails + PostgreSQL + JavaScript/jQuery stacks. Also prototyped a distributed architecture based on an early release of Apache Kafka.

Full-stack Developer **2011-2012**

Moove-it S.A.

Montevideo, Uruguay

4

Projects involved several Ruby on Rails + JavaScript applications between basic portals, marketplaces connecting with payment processing APIs, the UI for an internal asset management tool and writing the unit and functional tests for its back-end using RSpec.