

Loïc Padier

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# Software Engineer

## PROFESSIONAL EXPERIENCE

- April 2015 –* **PATH travel**, Barcelona, Spain  
As part of the front-end team, I built the primary website for the company, and transitioned the front end on different projects from jQuery / Backbone and AngularJS to React.
- May – Aug 2014* **VSC Technologies** (SNCF Group), Paris, France  
Designed and implemented a SOAP client single-page application using **Grails** and **AngularJS** for a webservice used by Voyages-sncf.com for train reservations. This web interface is used to aid in the development and test of this webservice.
- Oct 2013 – Jan 2014* **Ecole Centrale de Nantes**, Nantes, France  
Designed and implemented a web application using **PHP** and **MySQL**. This application allows students to register for or unregister from lab sessions for the courses they are taking. Used AJAX to validate user input before confirming registration.
- Aug 2013* **Debreuil Systems**, Paris, France  
Wrote several programs in **C** to modulate and demodulate digital information using FSK and QAM, as well as send and receive the modulated information using UDP.
- Jan – Jun 2013* **Areva**, Nantes, France  
Led a team in the implementation of preventive maintenance in rolling mills.

## PROJECTS

- 2014* **jsCal**  
Small utility written in **NodeJS** to export ICS and HTML documents representing calendars to JSON for further treatment.
- AndroidPouce**  
Android Application and RESTful back-end using **NodeJS** and **MongoDB** for Pouce d'Or, a hitchhiking competition between French universities.
- 2013* **Google Code Jam**  
**Green Code Lab Challenge**

## EDUCATION

- Sep 2013 – May 2015* **Ecole Centrale de Nantes**, Nantes, France  
Master of Science in Software Engineering
- Sep 2012 – Jun 2013* **Ecole Centrale de Nantes**, Nantes, France  
Bachelor of Science in Engineering
- Sep 2010 – Jun 2012* **Classes Préparatoires aux Grandes Ecoles STANISLAS**  
2 year undergraduate intensive program in Mathematics and Physics preparing for the national competitive scientific exams for entry to French Graduate Schools of Engineering

## SKILLS AND LANGUAGES

### Starting

Caml  
Haskell  
Python  
Websockets (socket.io)

### Comfortable

MongoDB  
Java, Scala, Android  
PostgreSQL, PostGIS, H2GIS  
Cordova

### Proficient

Javascript (Node, Angular, React)  
Groovy/Grails  
PHP/MySQL  
C

**French** Native speaker  
**English** Bilingual (lived for 7 years in Seattle, WA)  
**Spanish** Fluent

## INTERESTS

Puzzle solving, photography, sailing