# Loïc Padier

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# Software Engineer

## PROFESSIONAL EXPERIENCE

*April – Sept 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 Preparatoires 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 | Comfortable | Proficient |
|---|---|---|
| Caml | MongoDB | Javascript (Node, Angular, React) |
| Haskell | Java, Scala, Android | Groovy/Grails |
| Python | PostgreSQL, PostGIS, H2GIS | PHP/MySQL |
| Websockets (socket.io) | Cordova | C |

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

## INTERESTS

Puzzle solving, photography, sailing