

## IN SUMMARY

I build test and deploy software for innovating products. I have been working in the software industry for 8 years and my favorite stack today is Django and VueJS, backed by PostgreSQL. I am looking for projects with high added value for users with a management structure that encourages decision making and a builder mindset.

## EXPERIENCE

### Lead Developer

Polyconseil, Paris

2015 - Today

Lead developer on shared mobility projects (Autolib'). I specify, build and test new features (e.g. car reservation) for our product.

I contribute with new tools to our software platform to increase the team's productivity.

Topics : software architecture, continuous deployment, availability, productivity.

### Research engineer

École des Mines, Paris

2014 - 2015

Research work on algorithms for driverless vehicles road cooperation. These algorithms aim at minimising the overall travel time while protecting the passengers from accidents.

Teaching assistant in computer science.

Topics : optimisation, estimation, control, mobile robotics.

### Design engineer

Areva, La Défense

2010 - 2014

Design of EPR's computerized safety system. This system monitors several physical parameters inside the plant and triggers automatic actions (e.g. stopping the nuclear reaction) when these parameters exceed their expected range.

Topics : software specification and architecture, nuclear safety, availability, redundancy.

## PROJECTS

Here's a couple of open-source software projects I contributed to:

[XLSX streaming](#) - A python library than enables streaming a large set of data as an excel file.

[Bluepicker](#) - A full javascript date / time selector.

[Metro](#) - A demo interface in Vue-js displaying underground schedules.

## EXPERTISE

Python & Django

Javascript & VueJS

PostgreSQL

Docker

RabbitMQ

Software architecture

Software project management



# Sébastien Diemer

Full Stack Developer

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## EDUCATION

### M.Sc Applied maths

École des Mines, Paris  
2006 - 2009

### B.Sc Maths (MPSI/MP\*)

Lycée Hoche, Versailles  
2004 - 2006

## LANGUAGES

French (Native)

English (Professional)

Espagnol (Basic)

## ACTIVITIES

Piano

Running

Tennis