



# Aurélien Hervé

*PhD, expert CTO, fullstack dev & architect*

## Experience

2015–now **CTO**, *Hunteed*, Paris.

Hunteed is a digital recruitment marketplace. I Designed & implemented the whole solution from scratch:

- data-modeling
- infrastructure & devOps with AWS, Docker, CodeShip, heroku. . .
- 4 angular webapps
- 1 node-express api (written in typescript)
- Design & implementation of Hunteed's recommendation engine
- Design & implementation of Hunteed's CRM engine
- advanced data analytics

2014–2015 **CTO, cofounder**, *Shapter*, Paris.

Shapter used to help students to choose their studies thanks to alumni feedbacks and an innovative recommendation engine

I rewrote from scratch the backend and devOps:

- design & implementation of a Ruby-on-Rails api from scratch
- data-modeling
- design & implementation of a real-time recommendation engine
- devOps

2012–2014 **Head of R&D**, *adomik*, Paris.

I bootstrapped the very first algorithms and big data infrastructure of adomik

- Hadoop-stream (using ruby-written algorithms)
- Data visualization with Ruby on Rails
- Big data infrastructure design and creation (using AWS hadoop, dynamodb, redshift, ec2... etc)

## Formation

2012 **PhD in fundamental fluid mechanics**, *Ecole Polytechnique / ONERA*, Paris.

2009 **Master of engineering**, *ISAE ENSMA*, Poitiers.

2009 **Master of research in fluid dynamics**, *Université de Poitiers*, Poitiers.

2004–2006 **Classe préparatoires MP**, *Lycée Charlemagne*, Paris.

2004 **Baccalauréat Série S**, *Lycée Charlemagne*, Paris.

## Publication & open-source projects of interest

research **PhD Thesis**, *Contrôle optimal en boucle fermée d'instabilités hydrodynamiques par identification de modèles réduits* [↗](#).

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**JFM Publication**, *A physics-based approach to flow control using system identification* [↗](#).

blog **hackernoon publications.**

- o Having Fun With Functional Programming [↗](#)
- o Basic javascript algorithms toolbox: starter kit [↗](#)
- o How we happily dockerized our development environment [↗](#)
- o Bro, do you even map?—MapReduce demystified [↗](#)
- o Installing git hooks in a dockerized environment [↗](#)

github **open source projects.**

- o docker-nodemon: a light dockerized dev environment to work with docker & typescript [↗](#)
- o typescript-express-docker: bootstrap your node-express-typescript api [↗](#)
- o ngx-compact-number: angular lib to display numbers in a compact way [↗](#)

## Skills

languages Typescript, javascript, ruby, fortran  
web node, express, angular, ruby-on-rails  
big-data Hadoop, map/reduce design, data-modeling  
infra/DevOps Docker, AWS, mongodb

## Spoken Languages

French	<i>native</i>
English	<i>fluent</i>

## Hobbies

Music, chess, windsurf. . .