

Work Experience

- Since July 2016 ***Tech Lead / R&D Engineer, Radio France***
- **Architect and Lead on Project Area51** : a data pipeline to aggregate and normalize all the metadata on contents broadcasted through the seven public radio stations of Radio France. Tech keywords : NodeJS, PHP (Symfony), Python (Pandas, Numpy, Scipy, Jupyter), PostgreSQL, Cassandra, RabbitMQ, Docker, Ansible, Kubernetes.
 - **General expertise** : hands-on leading small teams in building scalable, performant and resilient products in a variety of programming languages, through agility, continuous integration and continuous deployment.
 - **Miscellaneous R&D prototyping** with the innovation department at RadioFrance
- Jan. 2016 to June 2016 ***R&D Engineer, NES - Network Engineering & Security***
- Tech Lead on the NES Smart Security project (NSS) : a real-time, distributed, log aggregation pipeline, combined with a proprietary intrusion detection system.
 - Tech stack : Python, NodeJS, Kafka, MongoDB, Elastic Search, Ansible.
- Feb. 2015 to Dec. 2015 ***Head of software development, Le Monde***
- Manager of the 3 development teams for one of the biggest digital press platforms in France (~30 developers and lead developers, for web and mobile devices).
 - Defining web architecture guidelines for performance, resilience and maintainability
- Oct. 2013 to Jan. 2015 ***Deputy head of software development, Le Monde***
- Architect and manager of the web development team (~10 developers).
 - Building an agile and DevOps culture within the technical team.
 - Tech stack : PHP, NodeJS, PostgreSQL, Redis
- Jan. 2011 - Sept. 2013 ***Senior PHP & DevOps consultant, Alterway***
- Web architecture and performance, mostly in within the PHP ecosystem (Symfony, Drupal, ...).
 - Streamlining development through continuous testing, integration and deployment.
 - DevOps tooling and culture.
- 2010 ***Research Engineer, Verimag Research Labs (CNRS)***
- Development of multiple single page applications and websites for a team of robotics researchers.
- 2007 - 2010 ***Freelance developer***
- Freelance developer of PHP/Javascript based applications and websites.

Open source contributions

- Since 2008 ***Open source project contributor***
- Most of my personal projects gravitate around Data-Science, Machine-Learning, and Automation tooling. Most are available my Github profile.
- 2013 - 2014 ***Active member of the board of the AFUP (French federation of PHP users)***
- Joint-secretary of the association and member of the organizing board for the Forum PHP : the main PHP related conference in France.

Education & Certifications

Since 2013	<i>Continuous education through MOOCs (Coursera, EdX)</i> <ul style="list-style-type: none">• Main topics: machine learning, statistics / data science, Music information extraction
April 2015	<i>Cloudera Certified Developer for Apache Hadoop (CCD-410)</i>
1997 - 2002	<i>Electronics engineer degree, major in robotics and automation</i>

Main Technical skills

Languages & frameworks	Python, Javascript/NodeJS (Express, React) PHP (Symfony), Go, Ruby
DevOps & Automation	Docker, Ansible, Puppet, Jenkins, Kubernetes
Storage, Search, Big Data	ElasticSearch, PostgreSQL, Cassandra, MongoDB, RabbitMQ, Kafka,
Data science tooling	Python (Numpy, Pandas, Scikit-Learn, Scipy, NLTK, Jupyter), R
Agility	Scrum, Lean, XP, Test & Behavior driven design, continuous integration & deployment

Languages

Portuguese	Native speaker
French	Bilingual
English	Fluent

Hobbies & Interests

Old films, progressive rock and all sorts of sports.