



Alexandre Annic

Full-stack engineer

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Framework

- React** ★★★★★
Used in large applications sometimes coupled with Redux and TypeScript.
- Angular (2+)** ★★★★★
Used in large applications sometimes coupled with ngRx.
- AngularJS** ★★★★★
- Play framework** ★★★★★
Used both versions to create SaaS applications, REST and GraphQL API.

Languages

- TypeScript** ★★★★★
- JavaScript** ★★★★★
- Scala** ★★★★★☆
- Java** ★★★★★☆
- C#** ★★★★★☆
- PHP** ★★★★★☆
- C/C++** ★★★★★☆
- Perl** ★★★★★☆

Persistence

- SQL** ★★★★★
- NoSQL** ★★★★★☆

Various

- Diploma for youth leaders and workers (BAFA)
- Daily sport: crossfit, climbing, running
- Driving licence

Education

Master STL (Science and Software Technology)

2016

[UPMC \(University Pierre et Marie Curie\) - Paris](#)

With high honours - Algorithmic (compression, hash, 2D geometry) - Multithreaded and distributed programming (Scala, OCaml, Java, C) - Web app (security, tracking)

Bachelor in computer science

2014

[UPMC \(University Pierre et Marie Curie\) - Paris](#)

With high honours - Algorithmic (complexity, data structure, recursion) - OOP - Designs patterns - Databases (transactions, SQL3, PL/SQL, NoSQL, XPath)

DUT of computer science

2013

[IUT d'Orsay](#)

Unix architecture, bash, script - POO Java, C++ - SQL - System programming in C (pipe, signal, fork, thread) - Networking (DHCP, DNS, Firewall) - Computer architecture

Work experiences

Big Data engineer

2019 - 2020

[Mediarithmics - Paris](#)

Developed a Node.js application to automate the import of a large volume of data (several tens of GB daily). Controlled by a React UI, it allows launching Docker containers, linked by message queues, orchestrated by Kubernetes.

Software engineer

2016 - 2019

[Particeep - Paris](#)

Led front team and created several applications from scratch in React/Angular. Contributed to the evolution of REST and GraphQL API wrote in Scala. Developed SDK for JavaScript, PHP and Scala.

Software developer internship

2016

[Particeep - Paris](#)

Contributed to the evolution of a SaaS application in Java and AngularJS. Refactored a large part to improve performances, code readability and reusability. Developed features as theme personalization, mails edition and online payment.

Software engineer

6 months - 2016

[Event Catalyst](#)

Developed an ASP.NET API, an ASP.NET Web application and an Android application

Software developer

Summers 2013, 2014 and 2015

[Activa Informatique - Paris](#)

Developed features on a SaaS application developed with Java, JPA and JQuery such as appointments calendar, real-time chat, statistics. Developed websites in PHP for minor companies and associations.

Master 1 semester project

6 months - 2015

[UPMC \(University Pierre et Marie Curie\) - Paris](#)

Implemented autoscaling registry inspired by DHT based on an application of distributed components, using technologies as Future, Socket, Thread and RMI.

Internship in computer research

3 months - 2013

[LRI \(Computer Research Laboratory\) - Orsay](#)

Worked on the Grid Observatory project related to the flagship European Grid Infrastructure. Reconstructed a flow of +200Go/month from 250 sources of

inconsistent grid usage traces to make them workable by researchers.