



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 (1 year)
[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 **Dockers** containers, linked by message queues, orchestrated by **Kubernetes**.
- Software engineer** 2016 - 2019 (3 years)
[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 (6 months)
[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** 2016 (6 months)
[Event Catalyst](#)
Created a system to allow conferences organisation. Including the development of an **ASP.NET** API, an **ASP.NET** Web application and an Android application providing features as QR-code check-in, form editing and filling and visitors management.
- 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.
- Internship in computer research** 2013 (3 months)
[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.