

# Alexandre Djerbetian

## Full Stack Software Craftsman

Software engineer with 4 years of experience in web.  
Looking for projects with legacy and scalability challenges.

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## EXPERIENCE

### Software Architect

7/2018 – ongoing

#### 360Learning (30 developers - 60k weekly unique visitors)

Online learning engagement platform - Leader in France

- **Evangelized clean code principles**
  - Increased test coverage from 25% to 70% with a simple testing framework
  - Reduced average function size from 19 to 8 lines
  - Reduced average number of function arguments from 1.6 to 1.2
  - Empowered squads with domain driven design initiatives
- **Guest speaker in other companies**
  - Created a talk on how to protect the business from technical decisions
  - See [youtu.be/bT4fmb7XcuA](https://youtu.be/bT4fmb7XcuA) for the talk at Evaneos (40 developers)
- **Trained the team on state of the art coding practices**
  - Held monthly team seminars on code architecture and practices
  - Animated a book club on coding books and online conferences
  - Onboarded 6 new members, and confirmed 4 after their probation
  - Organised our attendance to the dotJS 2019 conference
- **Improved tooling with DevOps concerns**
  - Migrated 5 repositories to a single monorepo
  - Automated the app deployment on 5 servers
  - Installed an monitoring solution (Datadog's APM)

### CTO

1/2017 – 2/2018

#### Libheros (5 developers)

Early stage startup - equivalent of Doctolib for nurses

- **Hired and managed a team of 5 developers**
  - Established systematic code reviews
  - Built a team spirit with a weekly seminar on Clean Code
- **End to end technical leader**
  - Structured 4 projects: an api in NodeJS, a website in php, an admin platform in Angular, and a mobile app with ionic
  - Regularly met end users to redesign functionalities

### Freelance Web Development

3/2016 – 9/2016

#### PwC

- Created an online fiscal visualization tool for new European regulations  
see [vision-cbcr.pwc.fr](https://vision-cbcr.pwc.fr)

### C++/OpenCL Programming Intern

2/2013 – 7/2013

#### e-on software

- Implemented a parallel Path Tracer for 3D rendering on GPU
- Read state-of-the-art papers on high performance ray tracing

## OTHER INTERESTS

👤 **Teaching Math:** Taught 2 classes of ~30 pupils for a full academic year in middle school

🎬 **Film directing**   🎤 **Singing rock**   🕺 **Dancing rock**   🎹 **Classical piano**   🏠 **Politics & Geopolitics**

## EDUCATION

### Master of Research in Geometry Processing

#### Technion (Israel)

2013 – 2016

Submitted a paper to SIGGRAPH on a new finite elements basis for vectors fields on triangle meshes.

### Engineering Degree in Computer Science

#### Ecole Polytechnique (Paris)

2010 – 2014

## TECHNOLOGIES

TypeScript   NodeJS   VueJS

Cypress   git   Docker   WebStorm

Mongo   SQL   Bash   Linux   Java

Kotlin   Cucumber   Matlab   C/C++

## FAVORITE BOOKS

*Clean Code* book series

*Growing Object-Oriented Software*

*Domain Driven Design*

*Design Patterns*

## PROJECTS

📺 Seminar on architecture (French)  
[youtu.be/bT4fmb7XcuA](https://youtu.be/bT4fmb7XcuA)

🌐 Quotes from coding books  
[alexandre.djerbetian.com/quotes](https://alexandre.djerbetian.com/quotes)

📄 The Payroll Case Study  
[github.com/adjerbetian/bobs-payroll](https://github.com/adjerbetian/bobs-payroll)