




# Alexandre Djerbetian

## Full stack Architect

I love clean code and projects with legacy challenges.

My 2 distant goals are to give more seminars and write a coding book.

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## EXPERIENCE

### Software Architect

 7/2018 – ongoing

#### 360Learning (30 developers)

- Improved code clarity by evangelizing clean code principles
- Increased test coverage from 25% to 70% with a simple testing framework
- Held monthly team seminars on code architecture and practices
- Empowered squads with domain driven design initiatives
- Automated the app deployment on 5 servers (DevOps practices)
- Migrated 5 repositories to a single monorepo
- Onboarded 6 new members, and confirmed 4

### CTO

 1/2017 – 2/2018

#### Libheros (5 developers)

- Hired, managed and trained a team of 5 developers
- Structured 4 projects: an api in NodeJS, a website site in php, an admin platform in Angular, and a mobile app with ionic
- Strengthened the team spirit with a weekly seminar on Clean Code


### Freelance Web Development

 3/2016 – 9/2016

#### PwC

- Created an online fiscal visualization tool for new European regulations
- Worked closely with the client in frequent agile-like cycles

### C++/OpenCL Programming Intern

 2/2013 – 7/2013

#### e-on software

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

### Math Teacher

 9/2016 – 7/2017

#### Middle school

- Taught 2 classes of ~30 pupils for a full academic year
- Animated a movie club, leading to the shooting of a short-movie
- Created a reinforcement lunch club for weaker students in Math

## PROJECTS

 Seminar on code architecture (French)  
[youtu.be/bT4fmb7XcuA](#)

 Quotes from coding books  
[alexandre.djerbetian.com/quotes](#)


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

## OTHER INTERESTS

 **Film directing** (shorts movies, documentaries)

 **Politics & Geopolitics**


 **Volunteering** (especially for teaching math)

 **Playing music** (classical piano and rock)

## EDUCATION

### Master of Research in Geometry Processing

#### Technion (Israel)

 2013 – 2016

- Created a new finite elements basis for tangent vectors on triangle meshes.
- Submitted a paper to SIGGRAPH

### Master of Science in Computer Science

#### Ecole Polytechnique (Paris)

 2010 – 2016

## TECHNOLOGIES

TypeScript   NodeJS   VueJS

Cypress   git   Docker   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*