

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)

- **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/bT4fnb7XcuA 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)

- **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

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/bT4fnb7XcuA

🌐 Quotes from coding books
alexandre.djerbetian.com/quotes

📄 The Payroll Case Study
github.com/adjerbetian/bobs-payroll