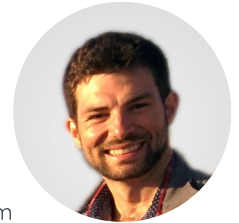# Alexandre Djerbetian

Full Stack Software Craftsman

Software engineer & architect with 4 years of experience.
I want to have a measurable impact on the end user, while
maintaining the highest standard of code clarity and performance.

 adjerbetian
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EXPERIENCE

Software Architect   7/2018 – ongoing

360Learning (30 developers)
Online learning platform - Leader in France - 60k weekly unique visitors
Stack: NodeJS, VueJS, MongoDB, Docker, TypeScript

- **Lead backend architect**
  - Structured a *Notification Center* around *Event Sourcing*
  - Empowered squads with domain driven design initiatives

- **Improved tooling with DevOps concerns**
  - Migrated 5 repositories to a single monorepo
  - Automated the deployment on 5 linux servers

- **Evangelized clean code principles**
  - Increased test coverage from **25% to 70%**
  - Reduced average function size from **19 to 8 lines**

- **Trained the team on state of the art coding practices**
  - Held a **monthly book club** on code architecture and practices
  - **Onboarded 6 new members**, and confirmed 4 after their probation
  - Organised our attendance to the dotJS 2019 conference

- **Guest speaker in other companies**
  - See youtu.be/bT4fnb7XcuA for the talk at Evaneos (40 developers)

CTO   1/2017 – 2/2018

Libheros (5 developers)
Early stage startup - equivalent of Doctolib for nurses
Stack: NodeJS, AngularJS, Angular, Ionic, MySQL, php

- **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 the api, the client website and mobile app, the admin platform
  - 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 year in middle school   🎸 **Singing Rock:** *"Caus' I'm a TNT!"*

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