

Alexandre Djerbetian

Full Stack Software Craftsman

Web software engineer with 4 years of experience

- strong backend experience in NodeJS
- passionate advocate of Clean Code, TDD and DDD

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EXPERIENCE

Software Architect

7/2018 – ongoing

360Learning (30 developers)

Online learning platform - Leader in France

Stack: NodeJS, VueJS, MongoDB, Docker, TypeScript, Linux

- **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
 - Created a **CI pipeline** on GitHub / Azure
- **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

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