

**Frank Gairal**

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[github.com/gairal](https://github.com/gairal)

# Full-Stack Engineer

Passionate software engineer with an focus on quality and scalability  
SF Bay Area, California

## TECH SKILLS

Specialized in  
TS/ES

### backEnd

NodeJS, GraphQL,  
Deno,  
Go, PHP/Symfony2,  
Silex, Java, Spring  
suite, Python

### frontEnd

React, VueJS,  
Angular1, Webpack,  
Rollup, Parcel,  
technical SEO,  
css/sass, Tailwind,  
Bootstrap,  
Foundation, ...

### Testing

Jest, Chai/Mocha,  
Cypress, Selenium  
driver, Monkeytalk

### db

MongoDB, Oracle,  
MySQL/MariaDB,  
PostgreSQL, Cloud  
Datastore, RethinkDB

### infra / devops

Docker, Server setups  
on various linux  
distributions  
(centOS, Debian,  
Ubuntu server),  
Google Cloud  
Platform, IBM Cloud,  
AWS, GIT

## LANGUAGES

English: fluent  
French: native

## EXTRA

Travel, scuba  
diving,  
hiking/backpacking,  
cooking, running,  
biking, coding

## XP

### Senior Full-Stack Engineer, AutoFi

SF, USA - 2019-current - [autofi.com](https://autofi.com)

Moved across most of the engineering teams in the organization, started in the front-end, client-facing one, migrated to the back-end, core API team to finally end up building and being tech lead / scrum master on the first feature-based, cross-stack team.

- Currently contributing to GraphQL APIs and NestJS/React applications.
- Focus on consistency, automation and scalability in our fast growing teams
  - ◆ As a strong proponent of switching our code base from JS to TypeScript, I wrote the first TS library in the organization and migrated ~25%+ of the codebase to TS.
  - ◆ Migrated our unit tests from Mocha/Chai to Jest for consistency across front and back-end teams. Strongly enforcing unit testing any new contributions.
  - ◆ Significantly increased and enforced our linting rules and set up automated linter execution on CI, increasing scalability and fluency across teams.
- Designed and rewrote our vehicle inventories' ingestion flow from poll-based to pushed-based, transitioning from a twice-a-day synchronization of our database to an on-demand one.
- Implemented automatic versioning through CI/CD on all our libraries saving hours of conflict merging on our pull requests due to conflicting manual version editing.
- Designed and created our "vendor APIs" client library, offering a single consistent request API and response envelope for all our external API call needs.

### Solution Architect, ekino US / Havas Worldwide

NYC / SF, USA - 2018-2019 - [www.ekino.com](https://www.ekino.com)

- Rewrote, re-architected, and maintained an AI bot used as company directory on Slack (Node + IBM Watson).
- Designed and developed 4 client web applications (PHP, Twig, Tailwind CSS, Vanilla JS, Jest). E.g. [download.havas.com](https://download.havas.com).
- Wrote business proposals and estimated workload for ~10 mid-size projects.

### CTO & Operations Manager, ekino Vietnam

Sai Gon, Vietnam - 2013-2018 - [www.ekino.vn](https://www.ekino.vn) / [www.ekino.com](https://www.ekino.com)

- Opened, built, and managed operations in a newly created agency in Vietnam.
- Hired ~60 people over 3 years including software developers (Java, PHP, front-end, automation testers, iOS/android), QC testers, and project managers.
- Built and managed 5 teams, working in parallel on ~20 projects.
- Designed technical solutions for dozens of business proposals, including some major agency wins: Wave Money, Renault, LCL, Mercialis, and Volkswagen.
- Led and mentored team at every project level (conception, management,

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client communication, technical architecture, QA and code review).

- More than doubled workforce retention by implementing a knowledge sharing program: weekly presentations and/or coding challenges on new concepts and technologies.

## Technical Project Manager, Backelite

*Paris, France - 2009-2013 - [www.backelite.com](http://www.backelite.com)*

- Led ~20 mobile projects for clients such as Dailymotion, Allociné, Yellow Pages, telecom operators, etc.
  - ◆ Functional and technical design, end-to-end project management (V-Model, Scrum), cost estimation, planning, client retention.
- Became the company's technical referent on a variety of subjects including video rendering and social plugins.

## Full-stack C#/.NET engineer, Phonereader

*Paris, France - 2007 & 2008 - [www.phonereader.com](http://www.phonereader.com)*

- Conceived and developed an ebooks trading webapp and its back-office (ASP.NET/C#, MS SQL Server)
- Created a community website for Orange Telecom (ASP.NET/C#, MS SQL Server).
- Maintained and improved a mobile rendering engine in C#

## EDUCATION

### EFREI - Master degree in I.T. engineering

*Villejuif, France - 2006-2008*

### ENC - Undergraduate in I.T. and management

*Paris, France - 2003-2005*