

a@adrianv.net

Adrian Villa

Full-Stack Engineer & Software Architect  
MSc. in Management  
MSc. in Innovation and Entrepreneurship

## Citizenship

French Mexican

## GitHub

Personal [advl](https://github.com/advl) ([//github.com/advl](https://github.com/advl))  
OSS [fwrlines](https://github.com/fwrlines) ([//github.com/fwrlines](https://github.com/fwrlines))

## LinkedIn

[villaadrian](https://linkedin.com/in/villaadrian) ([//linkedin.com/in/villaadrian](https://linkedin.com/in/villaadrian))

## Summary

I'm a Business and Entrepreneurship graduate from HEC Paris (2018). While I am interested by the efficient management of innovative companies and products, in particular in the tech sector, I am a self-taught programmer and wrote my first lines of code in 1999, at age 7. My recent work revolved around the design of a SaaS product engineered as a scalable microservices architecture on GraphQL/Node (back) consumed by a constellation of React client applications. I strive for implementing best-in-class quality practices (SVN, Linting, Testing, Auditing) while ensuring CI/CD pipelines to increase both maintainability and speed in the context of agile product delivery.

## Technical Work Experience

2019 - 2020 **CTO, Meccamico** Milan, Italy  
Designed in relation with the CEO two products for the car repair market, generated a traffic of 1.5M+ yearly organic pageviews with 100% uptime, using only 6€ of monthly resources. Responsible of the technical vision, specs, planning, implementation, resiliency, maintainability, documentation of systems.  
Created an Apollo Server GraphQL backend deployed as a Serverless Lambda function on Vercel, connected to a PostgreSQL store on Google Cloud Platform (GCP) to expose a fast, robust, modular API with authentication strategies allowing for efficient querying and the plugging of microservices, while ensuring consistent testing and Continuous Integration/Delivery (CI/CD).  
Designed a 100+ Component React Design System, visually tested on StorybookJS, ensuring consistent usage with PropTypes, and best practices with double ESM/CJS compilation, SCSS isolation, lazy-loading and full SSR compatibility. Designed three open-source SCSS libraries for the front-end apps to consume. Managed a 70% reduction in codesize compared to SemanticUI.  
Designed and Engineered five React applications to consume the GraphQL API using Apollo-Client, Continuously Integrated and Deployed on Vercel. Implemented for main apps Serverless Lambda functions for Server-Side-Rendering and Sitemap generation for SEO purposes.

2016 **Full-Stack Architect (Intern), Decidata** Mexico City  
Responsible of choosing the most appropriate technologies and systems to ensure server resiliency, maintainability in the context of an image recognition application.  
Converted the PHP Back-end to Python/Django/PEP8, making it modular and reducing the code size by 40% while easing the interface with back-end machine-learning daemons. Maintained a Debian/Python3/Nginx stack.  
Engineered and maintained a custom SCSS library for front-end development allowing white-label theming.

Fork this resume: [github.com/advl/resume](https://github.com/advl/resume)

2013 - 2015 **Founder, A Meander Magazine** Paris, France  
 Creator and maintainer of a cultural magazine focused on old and forgotten works of art. Led a team of 3 and directed the work of 12 editors.  
 Designed a custom CMS solution using Django, UWSGI, NGINX, HTTP2 on Debian to allow for bespoke data structuring and fast rendering of the outlet. Ensured consistent PageSpeed results above 90/100.

**Technical Skills**

FullStack JS	Node, Express, Mocha, Apollo GraphQL (Server / Client), React, Webpack, Babel, ESLint, Storybook
FullStack Python	Django, Django Rest Framework, UWSGI, Nginx, PEP8, Unittest
Front-end	HTML, JSX, Pug, SCSS, LESS, CSS, React Devtools, Chrome/Firefox Devtools
Databases	PostgreSQL, MongoDB, SQLite, Sequelize, Redis
Systems	Arch (i3wm), Debian, Mac OS
Source Control/CI/CD	Git, Vercel, Netlify
Tools	Vim, Docker, SSH, tmux, zsh, Sublime

**Education**

2013 - 2018 **MSc. in Management, Grande Ecole Program HEC Paris, France**  
 World's second best Master in Management according to *Financial Times*.  
 Courses in : Management, Accounting, Corporate Finance, Financial Markets, Supply Chain, Entrepreneurship, Social Entrepreneurship.  
 Thesis *Cum Laude* (8.7/10) on the topic "In the light of Monetary Theory and History, can Blockchain-based currencies be considered currencies?".

2017 - 2018 **MSc. in Innovation and Entrepreneurship ESADE, Ramon Lull University, Barcelona**  
 Dual Degree with HEC Paris' diploma.  
 Courses on management of innovative enterprises with a focus on in-company learning.

2014 **Stanford Summer International Honors Program Stanford University, California, U.S.A.**  
 Design and Analysis of Algorithms (CS161),  
 Data Mining and Extraction (STATS202)

**Honors**

Ranked 99<sup>th</sup>/5169 (1.9%), HEC entrance examination, 2013  
 Ranked 5<sup>th</sup>/5169 (0.1%), ESSEC entrance examination, 2013  
 Ranked 5<sup>th</sup>/667 (0.9%), Nationwide Mathematics Contest, 2010

**AFK**

<a href="http://779.mx">Analog Photography</a> ( <a href="http://779.mx">//779.mx</a> )	Political Economy
Daily Cycling, Swimming	Opera, Classical Music
Hiking	

**Source**

This resume is an HTML/CSS page optimized for @media print and leverages the [pagedjs](http://pagedjs.org) ([//pagedjs.org](http://pagedjs.org)) polyfills. The source code is available on [GitHub](https://github.com) ([//github.com/adrianv/resume](https://github.com/adrianv/resume)) and is continuously deployed at [resume.adrianv.net](https://resume.adrianv.net) (beta, desktop only)