

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.

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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/advl/resume) ([//github.com/advl/resume](https://github.com/advl/resume)) and is continuously deployed at [resume.adrianv.net](https://resume.adrianv.net) (beta, desktop only)

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