

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 - Present **Head of Engineering, RedLibre** *Mexico City*
As a side-project (nonprofit), leading a team of 6 volunteers to create technologies for cultural institutions in Mexico. Details currently confidential.

2019 - 2020 **CTO, Meccamico** *Milan, Italy*
Designed in relation with the CEO two products for the car repair market, generated a traffic of 1.9M+ yearly organic pageviews with 100% uptime and near-zero cost. Responsible for the technical architecture, specs, planning, and implementation, resiliency, maintainability, documentation of systems.
Created an Apollo Server GraphQL backend deployed as a Serverless Lambda function, connected to a PostgreSQL store on Google Cloud Platform (GCP) to expose a fast, robust, modular API with OAuth2/JWT authentication allowing for efficient querying and the plugging of microservices. Ensured consistent testing in a Continuous Integration/Delivery pipeline.
Designed a 100+ Component Design System for React using Storybook, featuring the use of PropTypes, double ESM/CJS compilation, SCSS isolation, lazy-loading and full SSR compatibility. Designed three open-source SCSS libraries. Managed a 70% reduction in codesize compared to SemanticUI.
Designed and Engineered five React applications to consume the GraphQL API using Apollo-Client, using a strict CI/CD pipeline. Implemented where pertinent NodeJS SSR and Sitemap generators for SEO purposes.

2009 - 2019 **IT Consultant, Full-Stack Engineer** *Freelance*
In parallel to high-school to university studies, advisor of several successful SMBs and Startups on their IT Journey, recommended C-level executives technology choices, hiring procedures, tooling and collaboration best-practices. Consulted companies on alternative technology possibilities, analyzing the business context in relation with market opportunities.
Created and maintained WordPress and Django systems for freelance projects, and personal side-projects. In-depth experience with Nginx/Apache web servers, Debian/Ubuntu-based infrastructure and AWS S3.

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- 2016 **Full-Stack Architect (Intern), Decidata** *Mexico City*
 Responsible of choosing and implementing the most appropriate technologies 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.
- 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, 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 <i>Financial Times</i> . Courses on Management, Accounting, Corporate Finance, Financial Markets, Supply Chain, Entrepreneurship. Thesis <i>Cum Laude</i> (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. Studied the 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)

AFK	Analog Photography (//779.mx)	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 (//pagedjs.org) polyfills. The source code is available on GitHub (//github.com/advl/resume) and is continuously deployed at resume.adrianv.net (beta, desktop only)
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