

GERMÁN DAVID AVILÉS PAIPA

Senior Frontend Software Engineer (React | Angular | TypeScript)
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PROFESSIONAL PROFILE

Software Engineer with **6+ years of experience**, focused and passionate about Frontend development and high-traffic application architecture. Specialized in creating scalable, performance-oriented solutions using **React, Angular, TypeScript, and Vue.js**.

Proven track record in: * **Technical Leadership**: Defining architectures, mentoring, and coordinating development teams (up to 7 people). * **Performance Optimization**: Reducing latency and improving User Experience (UX) with quantifiable results (e.g., 30% improvement in load times). * **Innovation and POCs**: Developing Proofs of Concept (POC) that integrate disruptive technologies like AI to transform business processes.

PROFESSIONAL EXPERIENCE

Mercado Libre

Senior Software Engineer | *August 2022 – Present*

Specialized in optimizing the seller experience on high-traffic platforms (*Sell Your Item* team). Role focused on scalability, performance, and the adoption of innovative architectures (React, TypeScript) with a direct impact on sales efficiency.

- **Performance Optimization**: Redesigned the image upload component, enabling parallel processing and **reducing upload times by 30%**, improving the listing flow. Additionally, contributed to redefining mobile app navigation to enhance user experience.

- **Business Impact (POC):** Led the development of a Proof of Concept (POC) for a disruptive AI-assisted listing architecture, laying the groundwork for “few-click” publishing.
- **Incident Acceleration:** Implemented **automated error analysis** using AI models, streamlining the identification and resolution of production bugs.
- **Leadership:** Promoted from Semi-Senior to Senior by taking on new challenges and responsibilities, while providing active mentorship to team members.

Banco Av Villas

Ssr Software Engineer | *November 2021 – August 2022*

Member of the Credit Card team, focused on developing the self-management web application for customers and sales tools for advisors.

- **High-Impact Migration:** Assisted in migrating the project from **Angular v6 to v11**, resulting in a **significant improvement in application performance** and user experience.
- Continuous development and support of new modules and components in **Angular (v6 and v11)**.
- Assisted the Backend team with support for **Node.js Lambdas (AWS)**.

Masseq Proyectos e Ingeniería

Software Engineer | *January 2021 – November 2021*

Role centered on building and leading web (**Angular**) and mobile (**Flutter**) applications to improve internal processes.

- **Ecommerce Architecture:** Led the construction of an ecommerce platform with **Angular v11** and **SSR implementation** to improve application SEO.
- **DevOps:** Implemented **Docker** along with **AWS EC2** and **RDS** services for project deployment.
- **Offline Mobile Development:** Created a mobile application with **Flutter** using reactive programming and internal storage to ensure **offline functionality**.

Interedes S.A.S.

Frontend Software Engineer / Team Lead | *October 2019 – January 2021*

Technical leader of the Frontend team for the SAMI project at the Huila power plant.

- **Team Leadership:** Responsible for supervision, repository management, and mentoring the team in **Vue.js** and **Nuxt.js** (technologies I learned and taught simultaneously).
- **Rapid Deployment:** Developed and deployed a mobile application to production using **Ionic (Angular)** for monitoring governor elections in less than **27 days**.
- Active participation in architecture definition and component design for the project.

Sinergia S.A.S

JR Frontend Developer | *May 2019 – September 2019*

- Primary responsibility for developing the **payroll module** (the most complex part of the ERP project) using Angular and PHP (Laravel).
- Demonstrated rapid adaptability by efficiently learning and applying **Laravel** within a limited timeframe.

Expansión TI

JR Frontend Developer | **Mobile Applications** | *February 2019 – April 2019*

- Created and launched the SIRIC mobile application (tourism for Huila) from scratch using **Ionic and Angular**.
- Successfully met client requirements and deployed to app stores within a **tight 1-month deadline**.

TECH STACK

Category	Key Technologies
JS Frameworks	React, Angular (v6, v11), Vue.js, Nuxt.js
Languages	TypeScript, JavaScript (ES6+), HTML5, CSS3
Styling/UI	SASS/LESS, Tailwind CSS, Bootstrap
Mobile/Hybrid	Flutter, Ionic (Angular)
DevOps/Cloud	Docker, AWS (EC2, RDS, Node.js Lambdas)
Methodologies	Reactive Programming, Component-Based Architecture, SEO/SSR

INTERESTS

- **Cooking:** I enjoy testing and experimenting with new recipes.
- **Gaming:** I play online video games with friends (for the social interaction and laughs) and enjoy offline video games such as God of War and Spider-Man.
- **Continuous Learning:** Self-taught; I use platforms like Udemy, YouTube, and AI to stay up-to-date with technology.