



SUMMARY

SENIOR FULL STACK ENGINEER & TECH LEAD Specialized in Front-End Architecture, Design Systems & Performance Optimization

Full Stack Engineer driven by Front-end development and performance optimization, with proven experience in implementing Design Systems and successfully managing teams. Over 14 years of experience architecting scalable web

KEY ACHIEVEMENTS

❖ Micro-frontends Architecture

Spearheaded the strategic migration of a critical monolith to a Micro-frontend ecosystem using **Module Federation**, enabling 6 teams to deploy independently and reducing integration conflicts

❖ Design Systems Leadership

Co-led the corporate visual unification by architecting a scalable Design System documented in **Storybook**, ensuring brand consistency across multiple products and reducing UI dev time.

❖ Ecosystem Standardization

Defined the organizational Front-end stack (Linters, Testing Coverage, and TypeScript migration strategies), elevating code quality and developer mobility across projects.

❖ Performance Optimization

Modernized legacy application performance by implementing **Rspack/Webpack** optimizations and **Service Workers**, significantly improving load times and user experience.

❖ Engineering Culture

Structured and formalized the Front-end Career Path and hiring criteria, aligning technical growth expectations and improving recruitment processes.

FERNANDO ESPINOSA SALIDO

Tech Lead - Core Team

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PROFESSIONAL EXPERIENCE

(Remote) Tech Lead - Core Team

2023 - Presente

CLIP | Mexico

Remote

- Tech Lead - Core Team.
- Design Systems Leadership: Spearheaded the collaboration with UI/UX leadership to architect and implement a unified Design System.
- Authored comprehensive documentation in Storybook, resulting in consistent visual identity across all company projects.
- Engineering Culture & Standardization: Developed Front-end profile, aligning technologies and hiring norms.
- Developer Experience (DX): Engineered a suite of support libraries to standardize development, including unified Linters, Unit Testing coverage requirements, and a '3-Level TypeScript' adoption strategy to facilitate smoother JS-to-TS migrations.
- Micro-frontends Architecture: Created the standard project template pre-configured with Module Federation, enabling rapid bootstrapping of new Micro-frontends.
- Optimized legacy projects for resource-constrained teams. Implemented Webpack/Rspack and Service Workers for caching.

(Remote) Senior Full Stack Engineer

2019 - 2023

CLIP | Mexico

Guadalajara

- Architecture Evolution: Proposed and led the strategic migration from a monolithic architecture to Micro-frontends using Module Federation
- This allowed the massive merchant-facing system (managed by 6 teams) to be split into independent deployable units and integrated into native mobile apps via Web Views
- Product Development: Led the development of the Merchant Dashboard and the B2B Developer Portal, including public API documentation and SDK integration guides
- Performance Tuning: Standardized the implementation of React Hooks and React Query across teams to handle server state and caching efficiently
- Implemented Webpack asset compression, significantly reducing load times
- Mentorship: Acted as a key technical mentor, training other teams on modern React patterns and performance best practices

Engineer

2017 - 2019

Tiempo development

Guadalajara

- Led the critical migration of a legacy Xojo application to a modern React.js architecture, significantly improving maintainability
- Designed a desktop application using Electron.js and Material-UI, establishing the foundational UI patterns for the product
- Optimized data flow by implementing Redux and custom middleware, automating complex API interactions

Guadalajara, MX Software Engineer

2016 - 2017

Neurotronix

Guadalajara, MX

- Architected real-time communication protocols for IoT parking devices using Node.js (sockets/serial ports)
- Coordinated a cross-functional team (C# & PHP developers), aligning hardware and software integration for payment systems

LANGUAGES

English	Avanzado	●●●●●
Spanish	Native	●●●●●

SKILLS

Core & Languages

JavaScript (ES6+) ·
TypeScript (Migration strategies) ·
HTML5 · CSS3 (Sass/Less)

Front-End Ecosystem

React (Hooks, Context) · Redux ·
React Query ·
Module Federation (Micro-frontends) ·
Webpack/Rspack · Vite

UI & Design Systems

Storybook · MaterialUI · TailwindCSS ·
Design Tokens · Responsive Design

Back-End

Node.js · Express · PHP (Laravel) ·
REST APIs

Tools & DevOps

Git · Service Workers · CI/CD ·
Unit Testing (Coverage) ·
Linter Standardization

PROFESSIONAL EXPERIENCE

Guadalajara, MX Full Stack Developer

2015 - 2016

Jaguar labs

- Project Waterlink: Developed a responsive SPA using Angular
- Engineered a custom drag-and-drop calendar feature
- Project Elio Motors: Built an interactive 3D car configurator (Angular/Laravel), enabling real-time feature customization
- Modernization: Migrated legacy Front-end code (Dojo to jQuery) and implemented responsive frameworks

Mexico eBusiness Manager & Senior Web Developer

2007 - 2015

Club solaris

Ubicación

- Directed the full software lifecycle for e-commerce platforms and internal call center systems
- Managed IT and Design teams using Scrum
- Pioneered the migration of static sites to dynamic PHP/AngularJS frameworks

PROJECTS

Project Waterlink

01/2015 - 12/2016

Guadalajara, MX

Project Waterlink: Developed features for an interactive and responsive single-page application.

- Developed a responsive SPA using Angular.
- Engineered a custom drag-and-drop calendar feature.

Project Elio Motors

01/2015 - 12/2016

Guadalajara, MX

Project Elio Motors: Development of a web application for feature customization.

- Built an interactive 3D car configurator (Angular/Laravel) enabling real-time feature customization.

Tiempo Development

01/2017 - 12/2019

Guadalajara, MX

Migration and design work for a medical pricing solution, enhancing application performance and maintainability.

- Led the critical migration of a legacy Xojo application to a modern React.js architecture, significantly improving maintainability.
- Designed a desktop application using ElectronJS and Material-UI, establishing the foundational UI patterns for the product.
- Optimized data flow by implementing Redux and custom middleware, automating complex API interactions.

Neurotronix

01/2016 - 12/2017

Guadalajara, MX

Developed communication protocols for IoT solutions, ensuring seamless integration of hardware and software.

- Architected real-time communication protocols for IoT parking devices using Node.js (sockets/serial ports).
- Coordinated a cross-functional team, aligning hardware and software integration for payment systems.

PROJECTS

CLIP

01/2023

Mexico (Remote/Hybrid)

Leadership in design systems and performance enhancements across multiple projects.

- Spearheaded the collaboration with UI/UX leadership to architect and implement a unified Design System.
- Authored comprehensive documentation in Storybook, resulting in consistent visual identity across all company projects.
- Created the standard project template pre-configured with Module Federation, enabling rapid bootstrapping of new Micro-frontends.
- Consulted for resource-constrained teams to modernize legacy projects, implementing Webpack/Rspack optimizations.