



# FERNANDO ESPINOSA SALIDO

## Tech Lead - Core Team

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## 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.

## 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 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

### 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	Guadalajara, MX

- 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
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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
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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
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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
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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

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### 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.