JOULER TALAIGUA

Senior Full-Stack Software Engineer · JavaScript & TypeScript · React, Node.js · AI-Oriented Product Engineering

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SUMMARY

Senior full-stack software engineer with 6+ years building and shipping JavaScript/TypeScript products at scale, including consumer and gamification features at **Mercado Libre that reached millions of users**. Strong across the stack — React/Next.js on the front end, and Node.js/Express with Backend-for-Frontend (BFF) architecture on the back end — with a focus on performance, maintainable architecture, and AI-assisted product engineering. Proven technical lead and mentor, comfortable owning features end-to-end in fully remote, distributed teams.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, HTML5, CSS3
Frontend: React.js, Next.js, Angular 15+, SSR / CSR / SSG, Micro Frontends (Module Federation), Design Systems
Backend: Node.js, Express.js, RESTful APIs, GraphQL, Backend-for-Frontend (BFF)
Databases: PostgreSQL, SQL, MongoDB, Redis
Architecture & Platform: Frontend Platform Engineering, Microservices, Clean Architecture, Monorepos
AI-Assisted Engineering: Cursor, Claude Code, Codex, coding-agent workflows, LLM API integration
Testing: WebDriverIO, Playwright, Cypress, Selenium, E2E & functional testing
Cloud & DevOps: AWS (CloudFront, S3, Lambda), Azure, Jenkins CI/CD, Git
Ways of Working: Agile (Scrum, Kanban), code review, technical leadership & mentoring

PROFESSIONAL EXPERIENCE

Remoti / Cast & Crew — Senior Software Engineer — May 2026 – Present
Remote · CAPS+ platform (entertainment-industry payroll, invoicing & production accounting)

- Drive the migration of CAPS+ from a legacy .NET portal to a modern React.js application, improving maintainability and user experience across core production-accounting workflows.
- Architect scalable UI in TypeScript and React using monorepos, shared npm packages, and client-side micro frontends, reducing code duplication and letting teams ship features independently.
- Contribute reusable components and frontend standards to a shared design system adopted across teams, improving UI consistency.
- Streamlined AI-assisted development workflows and internal coding agents, reducing repetitive implementation effort and improving pull-request readiness across frontend tasks.

EPAM Systems — Senior Software Engineer — Oct 2025 – May 2026
Remote · Transversal architecture & enablement team supporting multiple product squads

- Enabled multiple product squads through frontend architecture guidelines, reusable design-system patterns, and cross-team technical support, improving consistency and maintainability across the solution.
- Built reusable components and patterns for a shared design system, reducing UI implementation effort for feature teams.
- Led the initial phase of migrating observability from Datadog to an in-house platform (Groundcover), collaborating on metrics, monitoring, and performance.
- Stack: React.js, Node.js, JavaScript, Datadog, Groundcover.

Mercado Libre — Senior Software Engineer (Full-Stack) Oct 2023 – May 2025

Full-stack product & gamification on Latin America's largest e-commerce platform

- Led the creation of Mercado Libre's first **gamification game** — a prize roulette for the Brazil market — built to acquire new users, increase visit frequency, and convert engagement into purchases through coupon rewards.
- Built the Favorites & Gift Lists feature serving **millions of users**, a retention-focused surface that lets users save, organize, and share products across the app.
- Helped take the team's codebase from no automated tests to **80%+ coverage** with WebDriverIO, working across a ~20-engineer team spanning Argentina, Uruguay, Brazil, and Colombia.
- Implemented Server-Side Rendering with Express.js and a **Backend-for-Frontend (BFF) architecture** to manage client-specific business logic and improve perceived load performance.
- Stack: Node.js, Express.js, React.js, BFF, SSR, RESTful APIs, WebDriverIO.

PRAGMA — Technical Lead / Frontend Engineer Jun 2019 – Oct 2023

Medellín, Colombia · Progressed QA Tester → Semi-Senior → Senior → Master Frontend Developer / Tech Lead

- As Technical Lead for a **Bancolombia** banking web application, architected micro frontends with Module Federation and Clean Architecture, integrating Java Spring Boot microservices (Angular 15+, Azure DevOps, AWS).
- Led onboarding, documentation, and development guidelines for enterprise teams, reducing ramp-up time and knowledge silos.
- Built high-performance marketing applications with React.js and GraphQL; established CI/CD pipelines with Jenkins and integrated Contentful headless CMS.
- Grew from QA Tester to Technical Lead over four years, advancing through multiple engineering roles.

TEACHING & COMMUNITY

SENA — Software Development Instructor (part-time, complementary) Aug 2025 – Dec 2025

- Taught JavaScript, Python, algorithms, databases, and the full software-development lifecycle; mentored students through their capstone projects.

Guest Lecturer & Speaker: regularly deliver software-engineering talks at public and private universities.

SELECTED PROJECTS

Ekou Personal Nexus — React Native, Expo, TypeScript, Zustand, OpenAI, Groq, OpenRouter · GitHub

- Designed and built a modular, transaction-driven personal-finance platform, using transactions as the single source of truth across budgets, cards, accounts, credit, debts, goals, and multi-currency balances.
- Built an AI-native capture and advisory layer spanning voice, OCR, Apple Pay/Shortcuts, and Apple Watch, with automatic categorization, executable commands, financial reports, and a bilingual multi-provider assistant.

EDUCATION

Servicio Nacional de Aprendizaje (SENA) — Technologist in Computer Systems 2018 – 2019