

# Jimmy Ernesto García Contreras

Senior Frontend Engineer (React & Vue) | TypeScript | SaaS

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## Professional Summary

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Senior Frontend Developer with 10+ years of experience building scalable web applications and SaaS platforms for enterprise environments. Strong expertise in React, Vue 3 and TypeScript, with a focus on modern frontend architectures and complex UI development.

Proven track record leading the development of solutions used by thousands of users, including internal platforms and operational systems for companies such as Tupperware, Pemex, Telcel and Ualá. Experienced in high-complexity applications, backend integrations (.NET, Node.js) and cloud deployments (Azure, AWS).

Focused on code quality, testing and building digital products that deliver real business impact.

## Technical Skills

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**Frontend:** React, Vue 3, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Sass.

**State Management:** Zustand, Pinia.

**Forms & Data Handling:** React Hook Form, TanStack Query (React Query), TanStack Table.

**Testing:** Jest, Vitest.

**Backend:** Node.js, Express, .NET Core, REST APIs, Supabase, Firebase.

**Databases:** PostgreSQL, SQL Server, MySQL, MongoDB.

**Cloud & DevOps:** Microsoft Azure, AWS (S3, CloudFront, Amplify), CI/CD.

## Professional Experience

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### Senior Full Stack Engineer

2024 – Present

*Independent & Personal Projects — Mexico*

- Developed key modules for the **b360ai SaaS platform**, including configuration, dynamic form management (webforms), operational workflows and reporting for clients such as **Telcel** and **Ualá**.
- Advanced frontend development using React and TypeScript for high-complexity applications, integrating TanStack Query, TanStack Table, React Hook Form and Zustand.
- Built scalable web applications with a focus on modular architecture, reusable components and separation of concerns.
- Migrated legacy systems (VB6) to modern web applications using React and Supabase, modernizing critical business processes.
- Developed additional applications such as expense management platforms and a social network powered by Supabase (PostgreSQL, authentication and real-time features).
- Designed and developed SaaS solutions for electronic invoicing, event management and administrative platforms.
- Backend architecture using Supabase and PostgreSQL, including authentication, role-based access and cloud persistence.
- Implemented microservices for email delivery with dynamic templates and AWS deployments.
- Applied engineering best practices including clean architecture, separation of concerns and frontend testing.

### Senior Full Stack Developer

Jun 2012 – Jul 2023

*Tupperware Brands Mexico — Mexico City*

- Developed modern frontend applications using Vue 3, TypeScript, Pinia and Tailwind CSS, focused on scalability, maintainability and user experience.
- Led the development of more than 15 internal digital solutions for Marketing, Human Resources and Operations, impacting key business processes.

- Delivered large-scale web applications such as internal sales platforms, event attendance systems, photo management tools and marketing trend analysis platforms (Trendsetter).
- Developed and deployed applications in cloud environments using Microsoft Azure, ensuring high availability and performance.
- Designed and implemented REST APIs using .NET, integrating with SQL Server databases, including stored procedures and business logic.
- Created the **Tupper Chat** digital assistant on WhatsApp, reaching over 13,700 active users and improving communication and tool adoption.
- Developed mobile applications (Android/iOS) using Appcelerator, including digital catalogs, sales tools and interactive experiences (Unity).
- Implemented frontend unit testing using Jest/Vitest to ensure code quality and stability in production applications.
- Automated processes that increased operational efficiency by 30%.
- Trained sales teams and internal users in the adoption of digital tools, supporting the organization's digital transformation.

### Software Developer

Apr 2011 – May 2012

*Global Logos System — Mexico City*

- Optimized and maintained production modules for **FEMSA Jugos del Valle** using Delphi, .NET and SQL Server.
- Conducted R&D for mobile applications using emerging technologies such as JavaScript, Xamarin, jQuery Mobile, PhoneGap and Appcelerator.
- Developed the mobile application **Cazabaches**, focused on urban incident reporting and management.
- Explored and evaluated new technologies to expand mobile capabilities within the organization.

### Analyst Programmer

Nov 2008 – Dec 2010

*Amports Mexico — Mexico City*

- Developed and maintained critical operational systems, including billing (SIAF) and AS400 integrations through file generation processes.
- Implemented changes in web applications (.NET, SQL Server) and mobile solutions (Windows Phone) to support field operations.
- Managed virtual infrastructure, technical support and system administration, ensuring operational continuity across six national locations.
- Collaborated with business operations and billing processes, aligning technical solutions with business needs.
- Resolved incidents and optimized systems, improving stability and operational efficiency.

### Freelance Developer

Aug 2004 – Oct 2008

- Developed 10+ custom business solutions for multiple clients, including billing systems, inventory management, POS systems, document management and administrative platforms.
- Designed and implemented software solutions for industries such as retail, healthcare (laboratories and clinics) and industrial operations.
- Performed requirements analysis, data modeling and end-to-end application development to optimize business processes and information control.
- Automated key processes, increasing operational efficiency across different business environments.
- Delivered solutions for high-profile clients such as **PEMEX Cadereyta Refinery**.

### Education

**Bachelor's Degree in Computer Systems Engineering**

2004

Instituto Tecnológico de Ciudad Madero

## Languages

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Spanish: Native

English: B2 (Upper-Intermediate) — professional communication, technical meetings and documentation