

Francisco Jacob Flores Rodríguez

📍 Mexico City 🌐 jacobflores.dev 📄 jacob--flores ✉ jacobfloresrdz@gmail.com 📞 +52 444 220 6268 🌐 yeicobF

Professional Experience

Software Support Engineer

Mar 2024 – present | Mexico City, Mexico

Qualtrics [🔗](#)

- **Automated bulk record creation by developing a Python script with a CSV Parser**, reducing manual record creation time from hours to minutes, and accelerating client delivery by improving operational efficiency across teams in multiple regions.
- **Strengthened code quality and system maintainability** by participating in feedback loops, submitting Merge Requests, incorporating peer feedback, and ensuring adherence to coding standards using tools like Black Formatter and Flake8.
- **Compiled comprehensive, long-lasting documentation**, gathering critical information to clarify complex issues for both internal teams and clients.

Technology Manager

Jun 2023 – Feb 2024 | San Luis Potosí, México

AIA Partners [🔗](#)

- **Led and mentored a team of 5 developers**, focusing on backend optimization and designing scalable algorithms and projects, while implementing end-to-end features that enhanced frontend functionality.
- **Built robust systems** that accelerated the development process, utilizing Express.js, Mongoose, MongoDB, and Vue.js.
- **Achieved a 30% improvement in deployment speed** by migrating from a polyrepo to a monorepo, leveraging Turborepo for remote caching and multitasking, and streamlining deployments with Vercel.

Frontend Developer

Jun 2022 – Jun 2023 | San Luis Potosí, México

AIA Partners [🔗](#)

- **Drove frontend development efforts**, collaborating with backend developers to create user-focused experiences.
- **Engineered user-friendly interfaces using Vue 3**, based on Figma mockups, integrating composables for reusable state logic, Pinia Stores for state management, navigation guards for secure routing, bilingual support, and form validation.
- **Crafted a web dashboard with Chart.js**, delivering insights to 10+ investors using TanStack Query for asynchronous state management, handling mutations, caching, and ensuring fresh data retrieval with Query Invalidation for faster loading times.
- **Enhanced performance and user experience** by integrating lazy-loading on images with Cloudinary's AdvancedImage component and skeleton loaders, reducing page load times.

Projects

Loco Bunny Comics | Freelance Project [🔗](#)

Feb 2024 – Mar 2024

Responsive platform for visualizing an independent artist's comics

- **Designed and developed an end-to-end, mobile-first web platform**, collaborating with a colleague to deliver an intuitive user interface tailored to client needs using Figma, Next.js, TypeScript, Tailwind CSS, and shadcn/ui React components.
- **Optimized site performance by implementing Next.js Server Components and generateStaticParams for static rendering at build time**, ensuring consistently fast loading speeds with pre-generated content ready on page load.

Extracurricular Activities

Finalist | 2023 NASA International Space Apps Challenge [🔗](#)

Oct 2023 | Querétaro, México

Immersive platform designed to educate users on the significance of ocean gardens

- **Spearheaded the development of Ecotide [🔗](#)**, utilizing Tailwind CSS, TypeScript, and Next.js to integrate Server and Client Components, while leading the creation of the application's visual and interactive elements.
- **Secured finalist recognition in the social challenges track** by developing an immersive platform that educates users about ocean gardens through 3D models, images, videos, and audio, enhancing the educational experience.
- **Presented Ecotide to a jury and an audience of over 50 at Universidad Aeronáutica en Querétaro (UNAQ).**

Education

Bachelor of Engineering in Intelligent Systems

Aug 2018 – Feb 2024 | San Luis Potosí, México

Autonomous University of San Luis Potosí (UASLP)

- **Relevant Coursework:** Data Structures and Algorithms, Web Development, UI Design, Database Fundamentals and Design

Skills

Proficient: JavaScript, Node.js, Next.js, React, Vue.js, Tailwind CSS, CSS, HTML, Git, Express.js | **Competent:** Astro, TypeScript, Python, Figma, Mongoose, Vitest, PostgreSQL, MySQL | **Familiar:** Go, Amazon S3