

Diego Rivera

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Skills

Languages/Tools: C/C++, HTML/CSS, TypeScript, JavaScript, Python, SQL, PHP, Dart, Git, Docker.

Frameworks/SaaS: React, Next.js, Angular, Node.js, Tailwind, React Native, Flutter, AWS, GCP, Firebase.

Experience

FullStack Developer, Cignuz – Jalisco, Mexico Jan 2024 – Jun 2024, Sept 2025 – Present

- **DevOps & Optimization:** Orchestrated a multi-container microservices environment using Docker, automating dependency injection, DB seeding, and service discovery. Developed configuration scripts that **reduced new developer onboarding time by 60%** (from 1 week to 2 days).
- **Frontend Architecture:** Enforced a strict design system and architecture, **eliminating technical debt** (deprecated ng-deep, inline styles) and standardizing Tailwind CSS usage. Centralized theming metrics and implemented a modular override strategy for third-party components.
- **Performance & Security:** Modernized legacy document generation by migrating from PhantomJS to Puppeteer. Engineered a Vanilla JS/CSS landing page focused on WCAG accessibility (ARIA, motion reduction controls) achieving **99/100 Lighthouse** and **8.9/10 WAVE** scores.
- Enhanced Node.js system stability and developed key features including an advanced TypeORM search engine and Google Wallet API integration, impacting an expected **user base of +1 million**.

Frontend Lead / Developer, Lola Sux – Jalisco, Mexico Jan 2025 – Sept 2025

- **Architected dynamic frontend components** (React, Next.js, Tailwind) and established an internal component library, enabling users to manipulate content generated by custom AI agents in real-time.
- Engineered a sophisticated design system with a **context-aware color engine** that adapts dynamically to background schemas, ensuring accessibility and adaptability.
- Refactored the core landing page architecture (reduced codebase by 1k lines), **boosting Lighthouse performance score by 22%** and reducing Time-to-Interactive by 0.8s.

STEP Intern, Google – Kirkland, WA Jun 2024 – Sept 2024

- **Implemented comprehensive unit testing** for a cloud project, **achieving +90% code coverage** and preventing regression issues.
- **Designed and deployed a reservation service instrumentation** for a Cloud Compute resource manager, simplifying debugging, troubleshooting, and event visualization for the SRE team.

Software Engineer, Wisdom Consultoría Aduanal Integral – Jalisco, Mexico Sept 2021 – Jan 2024

- Developed full-stack data processing systems (PHP, MySQL, HTML, Python, Ruby, JavaScript, Bootstrap), including Excel error reporting.

Projects

Schedule Timeline (npm Package) npmjs.com/package/@demmarl/schedule-timeline

- Developed and published an **open-source React component** for flexible, multi-day schedule timelines. Features include configurable time ranges, themeable architecture, and custom renderers.

ICPC Mexico Camp Website tcmx2025.icpcmexico.org

- Built the official platform for the ICPC Mexico Camp, **servicing 180+ competitors**. Achieved Lighthouse scores above 90.

Carpool github.com/DEmmaRL/carpool-colinas

- Built a ride-sharing mobile app (Flutter, Firebase) featuring real-time client-driver matchmaking and geolocation.

Education

University of Guadalajara (CUCEI) – B.S. Computer Engineering Jan 2023 – Present

Centro de Enseñanza Técnica Industrial – Technical Degree in Software Development Aug 2018 – Jun 2022

ACM-ICPC Competitor – Qualified and competed in the Mexico 2024 & 2025 ICPC Regional Finals.