

Lon Rivera

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TECHNICAL SKILLS

Languages: TypeScript, JavaScript, HTML/CSS, Python, SQL

Frameworks: Angular, React, Next.js, Vue 3, Astro, Tailwind CSS, Node.js, Motion

Tools: Git, Vite, Vitest, Playwright, Cypress, axe-core, Docker, GitLab CI, SonarQube, Figma

EXPERIENCE

Cignuz

Jalisco, Mexico

Frontend Engineer

Jan 2024 – Present

- Migrated institutional frontend templates to **Angular 21** with **Feature-Sliced Design (FSD)**, Signals, and zoneless change detection, setting the baseline standard for multiple Government of Jalisco engineering teams
- Architected a scalable styling SSoT for design tokens with dark mode; deprecated `::ng-deep`, decoupled PrimeNG overrides, and enforced strict Stylelint rules (blocking hardcoded hex colors, `!important`, arbitrary z-indexes)
- Achieved **zero critical/serious a11y violations** via axe-core; migrated Jasmine/Karma to Vitest (+**151% coverage**, 160→406 tests) with Playwright visual tests; **reduced npm audit vulnerabilities from 47 to 2**
- Designed strict GitLab CI/CD guardrails with **blocking ESLint, Stylelint, and axe-core** jobs; engineered architectural checks ensuring independent feature eliminability and integrated SonarQube for LCOV reporting

Google

Kirkland, WA, USA

STEP Intern – Cloud Infrastructure

Jun 2024 – Sep 2024

- Shipped production observability tooling for distributed Cloud Compute services
- Implemented comprehensive unit testing in a Unix/Linux environment, achieving **90%+ code coverage** and preventing regression across 3 production service endpoints
- Developed automation scripts to streamline infrastructure workflows and **eliminate recurring manual SRE toil**

ICPC Mexico Web Platforms

Jalisco, Mexico

Frontend Developer

Feb 2025 – Present

- Sole developer for 3 production platforms (Regional Finals, TCMX, CODEFEM) serving **3.6K+ unique users** and **11.8K+ page views** with self-hosted Umami analytics for privacy-focused event tracking
- Built static-first architectures (Astro, TypeScript, Tailwind CSS) achieving **100/100 Lighthouse** and **zero-error WAVE** ratings; created custom animations (Motion, Vanilla JS, CSS) with no Core Web Vitals regression
- Implemented dynamic i18n routing, enabling CODEFEM to capture **52% of total traffic from Brazil** via Portuguese localization

Lola Sux

Jalisco, Mexico

Frontend Lead

Jan 2025 – Sep 2025

- Led frontend architecture as sole engineer for an **AI-agent platform** where custom agents generate content manipulated by users in **real time**; built an internal component library (React, Next.js, Tailwind CSS) and a **context-aware color engine** that adapts to AI-generated backgrounds for a11y compliance
- Refactored core landing page architecture, **reducing codebase by 1,000 lines**, boosting Lighthouse performance by **22%**, and cutting Time-to-Interactive by **0.8s**

OPEN SOURCE & PROJECTS

Slidev (47.8k ★) | Contributor – Vue 3, TypeScript

Feb 2026 – Present

- PR #2501: Designed a **composable v-click animation preset system** (fade, scale, slide) with CSS-class extensibility, per-slide frontmatter overrides, and Cypress E2E coverage (merged by creator Anthony Fu)
- PR #2466: Built **dynamic resizable presenter borders** with persistent layout-specific state, viewport constraints, ARIA roles, and Cypress E2E validation (merged by kermanx)

EDUCATION

Universidad de Guadalajara (CUCEI)

Jalisco, Mexico

B.S. in Computer Engineering

Jan 2023 – Jun 2028

CETI Tonalá

Jalisco, Mexico

Associate Degree in Software Development

Aug 2018 – Jun 2022

LEADERSHIP & ACHIEVEMENTS

Community: HackerRank Campus Crew Lead, Algorithmics Club Coordinator, OMIJAL Instructor & Problem Setter

Competitive: MFP 2026 Finalist (Brazil) | ICPC Mexico Regional Finalist ('24, '25, '26) | OMI Silver Medal ('21)