

PAULA GOMEZ

MID FULL-STACK & SOFTWARE ENGINEER

Mexico City, Mexico (Remote US/Canada Eligible) | paulagomenr@gmail.com | linkedin.com/in/paula-gomez-en | Languages: English (Fluent), Spanish (Native)

PROFESSIONAL SUMMARY

Results-driven Software Engineer with 6+ years of full-stack experience designing scalable web applications, distributed event-driven systems, and microservices. Proven engineering track record spanning large-scale big-tech environments (Google) and agile venture-backed product startups (Planet FWD, Cognota). Specialized in TypeScript, React, Node.js, and SQL, with demonstrated expertise in cutting API operational overhead by 50%, accelerating asynchronous compute workflows, and building production vector-search AI features.

TECHNICAL EXPERTISE

Languages & Core: C++, TypeScript, JavaScript (ES6+), SQL, HTML5, CSS3, Tailwind CSS

Frontend Architecture: React, Remix, Redux Toolkit, Storybook, Nivo/D3.js Data Visualization, React Testing Library

Backend & Cloud: Node.js, Express, Prisma ORM, MySQL, PostgreSQL, Inngest (Event-Driven), RESTful APIs, OpenAPI/Swagger, AWS (Cognito, S3)

DevOps & Testing: Jest, Playwright, Cypress, CI/CD Trunk Stability, Git, OpenAI Vector Embeddings, SAML 2.0 SSO

PROFESSIONAL EXPERIENCE

Software Engineer L3 — Google Mexico

Oct 2025 – Oct 2026 | Hybrid

- Authored the technical design document and engineered real-time metrics tracking pipelines to continuously monitor product stability, proactively catch failures, and shorten incident response cycles.
- Implemented client-side processing strategies that reduced redundant API calls by 50%, lowering infrastructure cloud costs while improving user privacy controls.
- Collaborated across international teams to design and implement multi-medium translation workflows, directly expanding core product reach.
- Led deprecation of a high-debt legacy feature, eliminating critical latency bottlenecks and strengthening product compliance and security postures.
- Spearheaded an internal hackathon to prototype rapid technical solutions for blocking constraints, shortening engineering discovery time from weeks to days.
- Resolved high-priority accessibility (WCAG) and runtime performance regressions, significantly reducing end-user friction and boosting Core Web Vitals.
- Authored cross-organization technical design docs to evaluate microservice integrations, establishing reliable contract interfaces and SLAs.
- Served as on call, safeguarding trunk stability and zero-downtime CI/CD branch merge flows.

Full-Stack Developer (Contract) — Skilled Wound Care

Jun 2025 | Remote

- Engineered a centralized clinical workflow management and reporting portal using Appsmith and relational MySQL schemas, accelerating data lookup times for medical staff.

Junior Full-Stack Developer — Planet FWD

Sept 2024 – May 2025 | Remote

- Developed production full-stack features for a high-volume carbon accounting SaaS application utilizing Remix, TypeScript, Prisma ORM, and optimized SQL queries.

- Implemented OpenAI vector embeddings to enable semantic natural-language retrieval, boosting relevant search accuracy on complex environmental datasets.
- Designed reliable asynchronous background jobs via Inngest, executing heavy carbon calculation pipelines while providing live state progress updates to end users.
- Standardized frontend UI elements with Storybook and built comprehensive end-to-end integration test suites with Playwright and Jest.

Software Engineer — Cognota

Oct 2021 – Jan 2024 | Remote

- Built enterprise-grade frontend interfaces using React, Redux, and Jest, maintaining over 85% automated test coverage across critical user flows.
- Designed and distributed an internal reusable UI component npm package, establishing a shared design system that accelerated squad delivery velocity by 25%.
- Designed and documented scalable RESTful microservices with Node.js, Express, Joi schema validation, and OpenAPI (Swagger) specifications.
- Authored robust multi-stage database migration scripts to transition high-tier enterprise clients seamlessly between application versions with zero data corruption.
- Authored engineering onboarding playbooks covering database topologies, CI pipelines, and service dependencies to cut developer ramp-up time in half.

Developer — Yellowme – Synapse

Sep 2019 – Oct 2021 | Mérida, Mexico

- Refactored legacy class-based frontend applications into functional React components with custom Hooks and Redux state management.
- Engineered enterprise SAML 2.0 Single Sign-On (SSO) integrations using AWS Cognito, authoring standard architectural documentation for identity services.
- Collaborated on agile cross-functional pods to deploy internal learning management features, driving higher employee user engagement.

HONORS & AWARDS

- **3× Winner — Cognova Peer-to-Peer Recognition Award (Cognota, 2023):** Awarded triannually for exceptional technical dependability, collaborative problem-solving, and cross-team mentorship.
- **Nominee — Annual Learny Engineering Excellence Award (Cognota, 2022):** Nominated company-wide for tackling ambiguous technical challenges and driving code quality initiatives.

EDUCATION & CREDENTIALS

- **B.S. in Software Development Engineering — Universidad Politécnica de Chiapas (2017 – 2020)**
- **Professional English Proficiency Certification — PICHU Unicach (Certified Fluent)**

KEY ENGINEERING COMPETENCIES

API & System Optimization: Client-side batching, latency profiling, schema migration pipelines, database indexing, and REST/GraphQL interface design.

Enterprise Quality: WCAG accessibility standard compliance, Storybook UI design systems, unit and E2E automation (Jest, Playwright, Cypress).

Distributed & Event-Driven: Asynchronous background job workers (Inngest), vector embeddings & semantic similarity retrieval (OpenAI API).

Remote Collaboration: Cross-timezone communication, RFC/Design Doc writing, CI/CD on-call rotation, agile sprint leadership.