

Rodrigo Mejia

Full-Stack Software Engineer

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SUMMARY

Full-stack engineer who designs, builds, and ships production web and mobile apps, from React/TypeScript front ends to APIs, databases, and cloud. Founder of Peninsula Digital Solutions, a web development agency serving Bay Area small businesses. Previously a software engineering intern at Study.com and an NLP engineer at TipNow. Currently building SwingDoctor, an iOS computer-vision app for Meta smart glasses.

EXPERIENCE

Peninsula Digital Solutions — Founder & Lead Developer · Redwood City, CA Dec 2023 – Present
Independent freelance practice (Dec 2023 – Aug 2025), formalized as an agency in Sep 2025

- Design, build, and maintain responsive websites for small-business clients including JG Home Improvement, Raja Brands (Raja Chai Latte), Zepeda Dog Services, and Zaragoza's Construction, using React, Firebase, and Squarespace.
- Architecting a custom client portal and agency site on Next.js, Supabase (Postgres + Auth), Stripe billing, and Resend transactional email, deployed on Vercel, to centralize client onboarding, invoicing, and support.
- Own the full delivery lifecycle: requirements, UI design, development, DNS and API key management, cloud hosting, GCP performance testing, and post-launch maintenance.
- Grow client visibility through technical SEO (sitemaps, Search Console indexing), Google Business Profile management, and Google Ads campaigns run from a manager (MCC) account.

Study.com — Software Engineering Intern · Mountain View, CA May 2025 – Aug 2025

- Completed 30+ story points of features, bug fixes, and system enhancements on a cross-functional Agile team.
- Built reusable React/TypeScript components to the company design system, documented in Storybook: new "About us" pages, a progress-bar component, and an overwrite feature that lets admins make database changes from an internal tool.
- Fixed critical front-end and back-end bugs, including closed-captioning failures (third-party API) and course-content data inconsistencies; wrote unit and Selenium UI tests and shipped via Jenkins and Tomcat.

FreshFrosh LLC — Full-Stack Web Developer · Santa Clara, CA Jul 2024 – Nov 2024

- Built responsive web interfaces, AI-driven features, and the APIs behind the platform's networking and recruiting tools.
- Built a resume-data processing pipeline; managed real-time database sync, cloud storage, and user authentication.

TipNow Resilience Inc. — NLP Engineer · Fremont, CA Mar 2024 – Jul 2024

- Built NLP models that classify anonymous campus-security tips by threat level, raising model accuracy to 94%.
- Built the data pipeline, oversaw labeling and annotation, wrote multi-metric evaluation tests, and served as point of contact for the intern team.

PROJECTS

SwingDoctor — iOS app for Meta smart glasses · Swift, Meta Wearables SDK, computer vision 2026

- Streams live first-person video from Meta AI glasses into an iOS app and records clips with audio to the Photos library.
- Adding on-device pose estimation and tennis-ball detection (prototyped in Python with OpenCV + MoveNet) to track an opponent's swings and court position and give the wearer real-time positioning feedback; a phone-camera mode analyzes the player's own stance, footwork, and swing at 1080p60.

Self-Hosted Game Server · Raspberry Pi 5, Linux, Bash, Java 2026

- Run a modded (Fabric) Minecraft server on a Raspberry Pi 5 with a scripted launcher, tuned JVM heap, and scripted world backups; maintain it across game and mod-loader upgrades.

BDA:Cali Donation Tracker · React Native, Expo, Firebase — mobile app for a food bank that tracks donations and assigns pickup drivers.

EDUCATION

Santa Clara University — B.S., Web Design and Engineering Sep 2018 – Dec 2023
Coursework: Data Structures, Web Programming, Web Infrastructure, Computer Networks, Information Retrieval, SEO

SKILLS

Languages	TypeScript, JavaScript, Python, Swift, Java, C, C++, SQL, PHP
Front End	React, Next.js, React Native / Expo, Tailwind CSS, HTML/CSS, Storybook, Flutter
Back End & Data	REST APIs, Flask, JSP, Supabase (Postgres), Firebase, BigQuery, Stripe, Resend
Cloud & DevOps	Vercel, Google Cloud Platform, AWS, Kubernetes, Jenkins, Tomcat, Git, Linux, Selenium
ML & Vision	PyTorch, TensorFlow, scikit-learn, NLTK, OpenCV, MoveNet
Web Growth	Technical SEO, Google Search Console, Google Business Profile, Google Ads