

Jeremy Sedillo

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EDUCATION

University of Southern California

Expected May 2027

B.S. Computer Engineering and Computer Science

Relevant Coursework: Data Structures, Algorithms, Distributed Systems, Operating Systems, Embedded Systems, Machine Learning, Parallel Computation.

EXPERIENCE

Amazon | Software Development Engineer Intern

May 2026 – Present

- Cut task completion time from 3 days to 2 hours for **100+** ops team members by replacing a 9-step manual workflow with an automated self-service pipeline.
- Drove merchant FC mapping errors from an untracked baseline to **0%** by building cross-account integrations with pre-execution validation and automated rollback.
- **Technologies:** React, AWS Lambda, Step Functions, DynamoDB

Amazon | Software Development Engineer Intern

May 2025 – Aug 2025

- Recovered **20+ hours** of weekly manual work and lifted fulfillment efficiency **25%** above the pre-automation baseline by detecting orders across previously siloed pipelines.
- Dropped query latency **40%** from prior ETL benchmarks and lifted reporting accuracy **35%** over rule-based methods by rebuilding the data processing layer.
- **Technologies:** AWS Glue, Lambda, Amazon Bedrock

Tally | Technical Co-Founder

Sep 2024 – May 2025

- Generated **\$120K+** in additional client revenue previously lost to stockouts by shipping automated reordering workflows.
- Cut inventory management overhead **40%** from a manual baseline by shipping variant tracking, threshold alerts, and real-time dashboards adopted by clients within the first month.
- **Technologies:** Next.js, TypeScript, React

PROJECTS

SceneFlow | Collaborative Pre-Production Canvas for Filmmakers

2026 – Present

- Built an offline-first collaborative canvas with CRDT-based conflict-free sync, enabling real-time co-editing across unreliable networks where prior tools required stable connectivity.
- Adopted by 3 working filmmakers and content creators as a replacement for Milanote in pre-production planning.
- **Technologies:** SwiftUI, Automerge CRDTs, multiplatform Swift (iPad + macOS)

FCCW CRM | Nonprofit CRM for 3K+ Members

2025

- Slashed manual data corrections **80%** across **3K+ members** as Technical Lead by architecting a backend that replaced a fully manual process, unifying memberships, donations, and events.
- Eliminated Shopify-to-CRM data drift from a recurring weekly problem to near-zero by building webhook and reconciliation pipelines, leading a **9-person** team end-to-end.
- **Technologies:** Cloudflare Workers, D1, Hono, TypeScript, Shopify Webhooks

Delphi | Voice-driven Browsing for the Visually Impaired

1st Place, Healthcare Track – LA Hacks 2025

- Opened natural-language web navigation to visually impaired users, a workflow with no prior tooling, by transforming live websites into conversational interfaces.
- Won 1st Place out of **200+** submissions at LA Hacks 2025.
- **Technologies:** Gemini, React, Web Speech API

LEADERSHIP AND INVOLVEMENT

Code The Change | Technical Lead, Developer, VP of Events

Sep 2023 – Present

- Modernized donor and membership systems for the Feminist Center for Creative Work, replacing a fragmented manual process, by leading **10 developers** and **4 designers** across two nonprofit applications.
- Grew cross-functional member retention by organizing onboarding events connecting new members across design, development, and project teams.
- **Technologies:** Cloudflare Workers, Next.js, React, Supabase

LavaLab | Technical Co-Founder, Mentor

Sep 2024 – Present

- Shipped AI-driven dashboards from concept to demo day within USC's 12-week incubator by co-founding and leading a product team.
- Reduced ramp-up time for incoming technical founders by mentoring new cohorts on architecture and rapid prototyping.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, C++, PostgreSQL, NoSQL, Bash, Verilog

Frameworks & Libraries: Node, Spring Boot, Express, React, Flask, SwiftUI

Tools: Postman, Docker, Jira, Git, AWS, Linux, GitHub, Kubernetes, Kafka

Interests: Film production, cinematic pre-production tools, accessibility technology, open-source development