Daniel Valdecantos

Full-Stack Software Engineer
Las Vegas, NV | daniel.valdecantos@gmail.com | (818) 818-7357
danielvaldecantos.com | github.com/danielbuva | linkedin.com/in/danielvaldecantos

EXPERIENCE

Founding Software Engineer, *STARS Solutions LLC* Nov 2025 – Present

- One of **five founding engineers** building a veteran career platform, now in a **National Guard pilot**.
- Built **Pathfinder**, the URL-driven onboarding and recommendation flow that maps **branch-specific military occupation codes** and **O*NET Interest Profiler** results to matched careers and education programs.
- Shipped **Pathfinder Tools** end to end with a **PostgreSQL data model and Supabase migrations**, typed API, React UI, and migration tests.
- Wrote the implementation spec for the team's **LLM career-guidance assistant** and built its desktop and mobile workspaces, layering AI guidance on the deterministic engine with **scoped, non-clinical guardrails**.
- Led a **frontend architecture overhaul** with feature-owned modules, **Next.js 16**, and a team **AI-agent workflow**.

Full-Stack Software Engineer, *LOUD* Jul 2020 – Jul 2024

- Grew from **frontend development** to **full-stack ownership** across full-time, part-time, and contract roles for LOUD and its startup ventures.
- Led a **ground-up Next.js rebuild** with **Shopify storefront caching** and **CMS-driven product pages**.
- Built a **data visualization framework** that pulls Facebook, Twitter, Twitch, TikTok, and YouTube API data into reusable influencer-marketing reports, **replacing manual data collection**.

Lead Developer (Unpaid Family Business), *Caregivers International* 2022 – Present

- Leading an **AI-agent rebuild** of my family's home-care platform: a public site plus a **role-based staff workspace**.
- Set up a **seeded staging demo** and **Playwright end-to-end tests** so changes are reviewed safely before going live.

Content Developer, *Synthesis* May 2023 – Sep 2023

- Shipped **30+ interactive math lessons** in React and Pixi.js, plus **APIs** that let authors configure activities.

PROJECTS & AWARDS

HotelGuard – 1st Place out of 30+ Teams, *RebelHacks 2026* Feb 2026

- Co-built a prototype on a **5-person team**: **YOLOv8** occupancy tracking, weighted room-risk scoring, **Gemini** reports for staff review, and a 3D dashboard.

Voicely – 3rd Place, Co-founder, *Startup Weekend x TensorWave* Nov 2026

- Voice control prototype for people with limited hand mobility, informed by **20 user interviews**.

birdOS – Custom Firmware for the Anbernic RG34XX-SP, *Open source* 2026

- Built Linux firmware with a **0.52 s boot to a usable, input-ready screen vs. ~22 s on stock**.
- Built a **freestanding C launcher** (direct syscalls, no libc) with a **compiled game and media index** browsable before storage mounts.

UNLV Mountain Club Platform, *unlvmountainclub.com* 2026 – Present

- As the club's tech lead, built and maintain its calendar, maps, sign-up, and officer tools.

Kuwento – AI Language-Learning Companion, *Open source* 2026

- Built **consent-gated MCP tools** for a persistent Tagalog learner record, with a private web workspace and macOS app.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, Python, SQL, C, C++, Bash
Frontend: React, Next.js, Remix, Tailwind CSS, Pixi.js, React Three Fiber, HTML, CSS
Backend & Data: Node.js, Express.js, Spring Boot, Flask, REST APIs, PostgreSQL, Supabase, MySQL
AI: LLM integration (Gemini, OpenAI), MCP servers, YOLOv8, AI-agent development (Claude Code, Codex)
Cloud & Tools: AWS (S3, Elastic Beanstalk), Vercel, Embedded Linux, Git, GitHub, Vitest, Playwright, Figma

EDUCATION & CERTIFICATIONS

B.S. Computer Science, *University of Nevada, Las Vegas* Expected Dec 2027

Full-Stack Engineering Bootcamp, *App Academy* Feb 2023 – Aug 2023

AWS Certified Cloud Practitioner, *Amazon Web Services* 2026