Carlos Aguilera

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EDUCATION

California State University, Long Beach   Expected May 2026
B.S. Computer Science - 3.78 GPA   Long Beach, CA

EXPERIENCE

Lead Software Engineer / Owner   June 2025 – Present
The Inked Network *(Nuxt, Supabase, Stripe, SEO, AI Integration, Full-Stack Development)*   Lake Forest, CA

- Built and launched a Nuxt + Supabase app used by 200+ tattoo artists, real-time chat, profiles, and subscriptions.
- Integrated Stripe, Google Maps, OpenAI GPT-4o, and ImageKit/S3 for payments, AI search, event management, and auto-tagged images.
- Designed secure, scalable Supabase data models with RLS and role-based access control for isolated chats and controlled uploads.

Full Stack Developer   May 2022 – Present
Ethika Inc. *(Vue.js, Symfony, MongoDB, Bootstrap, AWS, Redis, Docker, GitHub Actions)*
Lake Forest, CA

- Optimized Algolia integration, cutting API calls and search costs by 60% while improving response time by 60%.
- Boosted page load speed by 30% through image optimization and modernized state management; integrated Klaviyo for email, SMS, and back-in-stock alerts, raising engagement by 26%.
- Led development of a music CMS managing 500+ talent profiles, 5,000+ digital assets, and automated reporting.
- Enhanced SEO and site performance via Google Lighthouse, increasing page speed by 20% and improving accessibility, best-practice, and metadata scores.

Software Engineer   August 2022 – March 2025
Nexpa LLC *(Vue.js, NestJS, MongoDB, Tailwind CSS, AWS, Google Analytics)*   Lake Forest, CA

- Built a responsive food truck site with i18n, Square ordering (+15% revenue), automated emails, cron-based menu updates, and reusable UI components.
- Developed and deployed a scalable restaurant platform using NestJS, Square Payments, and REST APIs; implemented CI/CD pipelines, cutting deployment time by 40% and boosting reliability.

PROJECTS

Web Programmer   July 2023 – July 2024
Saddleback College Robotics Club *(ROS2, Python, Rust, C++, Vue.js, Django)*   Mission Viejo, CA

- Developed a Django + ROS2 web GUI enabling real-time rover navigation, science platform control, and telemetry monitoring. Implemented bi-weekly Scrum sprints, delivering functional features and tests on schedule.
- Integrated live camera feeds and rover feedback into a responsive Vue.js frontend for the base station.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, TypeScript, PHP, C++, Java, Python, Rust, SQL
- **Frameworks & Libraries:** Vue.js, Nuxt, React, Bootstrap, Tailwind CSS, Symfony, Django, NestJS, Node.js, Stripe, Capacitor
- **Databases & Auth:** MongoDB, PostgreSQL, Redis, Supabase, JWT, OAuth2
- **DevOps & Tools:** AWS, Vercel, Cloudflare, Docker, Railway, Git, Linux, Jira, Nginx
- **Core Skills:** Agile development, problem-solving, collaboration, adaptability, analytical thinking