Hector Carbajal

(951) 214-3633 | 27hector7@gmail.com | linkedin.com/in/hector-carbajal-570485173 | github.com/7Hector27

EDUCATION

California State University, San Bernardino   San Bernardino, CA
B.S. in Computer Science   *Jun 2015 – May 2021*

EXPERIENCE

Software Engineer   Jan 2023 – Sep 2025
Everdays   *Remote*

- Scaled core sales funnel by building and maintaining React/Next.js applications integrated with REST APIs and Node.js backend services, contributing to a 300% increase in monthly sales.
- Designed and shipped an internal admin dashboard with real-time lead and agent filtering, reducing manual reporting effort by 80% and improving operational visibility across teams.
- Developed reusable, WCAG-compliant component systems in React + TypeScript, improving frontend development velocity by 40% while maintaining accessibility and performance standards.
- Improved application performance through Lighthouse audits, bundle optimization, and targeted refactors, reducing page load times by 35% and increasing accessibility scores by 25+ points.
- Partnered with product, design, and sales stakeholders to translate business requirements into scalable technical solutions shipped to production.
- Refactored Node.js and MongoDB services to improve data integrity, maintainability, and reliability across customer-facing workflows.
- Implemented secure AWS S3 storage with authenticated access controls to protect sensitive customer documents and support compliance requirements.
- Diagnosed and resolved production issues across frontend and backend systems using logs, monitoring, and browser debugging tools.

PROJECTS

Shelfie | *Next.js, TypeScript, Express, PostgreSQL, WebSockets, Groq API, AWS S3*   Live

- Built a full-stack social book tracking platform with real-time messaging via WebSockets, AI-powered book chat using Groq's Llama 3.3 70B model with token streaming, and a glassmorphism UI design system in SCSS Modules.
- Architected a RESTful Express/TypeScript backend with PostgreSQL, implementing JWT authentication, soft-delete conversation logic, and a social activity feed with friend-based filtering.
- Deployed to production with Vercel (frontend) and Railway (backend/database), configuring cross-origin cookie authentication and environment-based CORS policies for a live public URL.

QR Ticketing Platform | *Next.js, TypeScript, AWS Lambda, API Gateway, DynamoDB, S3, JWT*   Ongoing

- Architected a serverless QR-based ticketing system with role-based authentication supporting event, order, and ticket lifecycle management.
- Designed secure API workflows using Lambda and API Gateway with DynamoDB persistence to enable real-time ticket validation.
- Optimized DynamoDB queries and Lambda execution paths to achieve sub-10ms response times under concurrent load.
- Built a responsive admin dashboard for managing events, orders, and ticket issuance.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, JavaScript (ES6+), Redux, HTML5, CSS3/SCSS, Responsive Design, Accessibility (WCAG/ARIA)
Backend: Node.js, Express, MongoDB, PostgreSQL, SQL, REST APIs, JSON
Cloud & DevOps: AWS (Lambda, API Gateway, DynamoDB, S3, Cognito), Git/GitHub, CI/CD, Vercel, Railway
Core Concepts: Data Structures, Algorithms, OOP, Performance Optimization
Development Practices: Agile/Scrum, Clean Code Principles, Code Reviews, Performance Optimization