# JASON CARRILLO

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**Languages:** *Confident:* TypeScript, NoSQL, SQL. *Familiar:* Python, Java
**Tools/Frameworks:** Claude, NodeJS, PostgreSQL, React, NextJS, MongoDB, GCP, AWS, Docker, Git, Redis

## PROFESSIONAL EXPERIENCE

Full Stack Engineer — *Noodle Group, LLC (Nov 2024 - Present)*

- **Cut 10 hours of work a week for insurance agents**, by delivering full-stack features using Next.js and AWS (RDS, Lambda, SNS).
- Engineered a complex recursive algorithm to transform tree-like spreadsheet data into API validation schemas, **automating 2 months of development work**.

Founding Full Stack Engineer — *B2B/B2C SaaS Bootstrapped Startup (Mar 2024 - Nov 2024)*

- Led architecture selection and engineering resulting in a near-complete backend MVP (Node.js API, Supabase, real-time chat) to power a multi-tenant SaaS platform.
- Co-led product development and ran 30+ user interviews to surface user pain points using hypothesis testing.

Freelance Full Stack Engineer — *(Oct 2022 - Present)*

- **Cut an IT business' client processing time by 80%**, by architecting a client management platform with features like custom data encryption, user-defined data tables, full-text search, and role-based access control.

Full Stack Engineer — *Supono Holdings LTD (April 2021 - October 2022)*

- **Drove 20% ad revenue growth** by single-handedly engineering a full-stack A/B test web platform enabling data-driven decisions for executive leadership.
  - **Cut key metric response time from ~10s to near-instant** through write-through Redis caching.
  - **Cut image delivery times by 90% for 25k+ daily users**, by integrating a CDN (AWS CloudFront).
- Architected a prod-level social media backend including 50+ api routes, a time-bounded posting system, and custom social graph permissions, **resulting in 5000+ users in 3 months**. Used Firebase and GCP tooling.
- Led and optimized engineering team operations by establishing coding standards, providing 24/7 on-call team support, mentoring and hiring 2 developers, altogether **reducing average incident resolution time by 50%.**

Full Stack Engineer — *Eternal-I Software and Multimedia (July 2020 - June 2021)*

- **Reduced a manufacturing sales process from 2 days to seconds** by independently owning and delivering a complete quote automation system (as first industry role), while coordinating with international stakeholders.
  - Delivered full-stack solution including a customer-facing site and admin panel that enabled business users to customize quote formulas and site appearance.

Software Engineer — *Internet Marketing Factors, Inc. (January 2017 - March 2017)*

- **Cut 20 hours per week from a data analysis process** by self-learning Python and building a web app that gets data from an external API, processes it, and renders results to a UI.

## PROJECTS/CERTIFICATES

@Current - Web app that integrates AI models to remove background noise in audio files (Next.js + Modal Workers).
Real Estate Market Analyzer - Data visualization dashboard that parses data from real-estate and government APIs.
SystemsExpert Certificate - Course covering distributed systems, scalability patterns, and performance optimization.
AlgoExpert Certificate - Solved 100+ coding problems focused on algorithms and data structures.

## EDUCATION

*B.B.A., Management Information Systems, May 2019* — San Diego State University
*A.S., Computer Programming, May 2017* — Grossmont College