# **JASON CARRILLO**

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Languages: Confident: TypeScript, NoSQL, SQL. Familiar: Python, Java

Tools/Frameworks: NodeJS, PostgreSQL, React, NextJS, MongoDB, Firebase/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 5+ 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 full-time 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, PostgreSQL DB, 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 Redis caching.
  - Cut image delivery times by 90% for 25k+ daily users, by integrating 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 independently 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

Real Estate Market Analyzer - Data visualization dashboard that parses data from real-estate and government APIs. Arabic Learning Helper - Optimized Arabic studies by building a web app with language learning components. SystemsExpert Certificate - Course covering distributed systems, scalability patterns, and performance optimization. AlgoExpert Certificate - Solved 100+ coding problems focused on algorithms and data structures.

## **EDUCATION**