

Owen Spain

FULL-STACK ENGINEER & AI INTEGRATOR

Charlotte ↔ Miami | 980.267.7715 | newoninja@gmail.com | linkedin.com/in/owen-spain | github.com/newoninja | owenspain.com

SUMMARY

Software engineer and systems architect building operational infrastructure that bridges technical engineering and business operations. Founder of Stranex Solutions, specializing in replacing fragmented workflows with native, AI-driven architecture and voice agents that actively recover lost revenue for service businesses.

TECHNICAL SKILLS

Engineering	Python, TypeScript, Swift, SwiftUI, JavaScript, SQL, React, Node.js, Next.js, Full-Stack Development
AI & Logic	LLM Orchestration (OpenAI, Anthropic), AI Agents, Voice AI, Prompt Engineering, System Architecture
Infrastructure	REST APIs, AWS, Firebase, CRM Integrations (Jobber, ServiceTitan), Git, CI/CD, Data Modeling
Business	Go-To-Market Strategy, Customer Success, SaaS Architecture, E-commerce, Team Leadership

PROFESSIONAL EXPERIENCE

Founder & CEO — Stranex Solutions Feb 2025 – Present
Vertical-AI Operating Systems for Service Businesses · Charlotte, NC · stranexsolutions.com

- Architect and engineer proprietary operational infrastructure and vertical-AI operating systems that replace fragmented SaaS workflows for service businesses.
- Developed and launched **Stranex OS**, a full-stack web CRM dashboard and native iOS field-technician app, driving a **340% lift in lead capture** in its first production deployment — client.stranexsolutions.com.
- Engineered **Handsline**, an autonomous AI receptionist for high-volume contractors achieving **sub-second pickup** — instantly qualifying leads and writing booked jobs directly into legacy CRMs, **booking 17 jobs in month one** from previously missed calls.

Founder — Custom Gaming Rigs, LLC Mar 2020 – Dec 2022
Custom PC Engineering & E-commerce · Charlotte, NC

- Founded and scaled a custom PC-building business, owning procurement, assembly, branding, marketing, and customer relations end-to-end.
- Wrote custom software to strip down and tune Windows for maximum performance, and hand-coded the storefront from scratch to drive customer acquisition.

Operational & Leadership Track — customer-facing & team leadership

Lift Operator & Parking Coordinator — Appalachian Ski Mountain Oct 2025 – Apr 2026

Server — O-Ku Sushi (Indigo Road Hospitality) Feb 2025 – Present

Team Leader & Cashier — Autobell Car Wash Jan 2022 – Aug 2025

SELECTED PROJECTS

ArcBench — AI Coding Agent · Python · FastAPI · Flutter owenspain.com/arcbench

Built a **Claude-powered autonomous coding agent** driven from a phone — a FastAPI desktop host (Aider, Git-isolated sessions) and a Flutter remote over an encrypted Tailscale mesh, with voice prompts, live WebSocket diff streaming, and per-hunk approve/reject.

704 Pressure Washing — Full-Stack Platform · React · TypeScript 704pressurewashing.com

Designed and shipped a service company's full **digital platform** — marketing site, AI instant-quote builder, ops dashboard, and a Remotion video pipeline — wired to Google Ads & GA4 for lead tracking.

Pantry AI — Native iOS · Swift / SwiftUI · LLM Vision

Built a **native iOS app** that turns on-hand ingredients into AI-generated recipes — camera and voice capture with LLM vision, SwiftData persistence, iCloud sync, and Sign in with Apple.

EDUCATION & DISTINCTIONS

Appalachian State University — B.A. Economics Boone, NC · 2025 – Present

Dean's List · Economics Club · Investment Club · Sigma Chi Founders Group

East Mecklenburg High School — International Baccalaureate Charlotte, NC · Graduated 2025

Mock Trial · Model UN · Chinese Club

Accelerated Computer-Science Program — taught by an MIT Sloan Fellow 2020

Intensive computer-science coursework under Dr. Apollo Tankeh — Python, SQL, and data modeling applied to real business and financial problems.

Distinctions: Eagle Scout & Two-Term Senior Patrol Leader (BSA) · NYLT Graduate · Microsoft Excel Associate

Languages: English (Native) · Mandarin Chinese (Professional Working Proficiency)