

DIEGO CAPUTI

Software Engineer • Security Professional • Operations Leader

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English (Native) • Spanish (Native) • French (Intermediate) • German (Intermediate)

PROFESSIONAL SUMMARY

Software engineer, security professional, and operator who helped build a business from the ground up and learned to code doing it. Joined iLash and Skincare at the concept stage and spent 8+ years wearing every hat: business formation, licensing, compliance, front-line operations, marketing, Google Ads, web development, IT infrastructure, and eventually full operations and technical leadership. The volume of real-world problems that required technology solutions drove the decision to pursue a formal B.S. in Computer Science, completed with a 4.0 GPA Summa Cum Laude.

Background sits at the intersection of entrepreneurship, software engineering, and cybersecurity. Over the past three years expanded into full-stack development, shipping production applications in React, TypeScript, Node.js, and PostgreSQL with security built in from the start. AI-native engineer who integrates Claude Code, OpenAI, and GitHub Copilot across the full development lifecycle. Holds a B.S. in Computer Science (Information Security concentration, 4.0 GPA, Summa Cum Laude), an A.S. in Cybersecurity (both from SNHU), and CompTIA Security+ (May 2026, Credly verified).

Currently open to remote roles in IT Operations Management, Technical Program Management, Security Analysis, and Software Engineering. Also actively building an independent IT and security consulting practice serving small and mid-size businesses.

EDUCATION

B.S. Computer Science — Information Security Concentration | Dec 2025 | GPA: 4.0 | Summa Cum Laude

Southern New Hampshire University

Relevant Coursework: Secure SDLC, Application Security, Software Engineering, Client-Server Systems, Software Testing & QA, Data Structures & Algorithms, System Analysis & Design

A.S. Cybersecurity | May 2024 | GPA: 4.0

Southern New Hampshire University

Relevant Coursework: Cyber Defense, Systems Security, Secure Application Development, Legal & Human Factors of Cybersecurity

CERTIFICATIONS & AWARDS

- CompTIA Security+ — Credly Verified | May 2026
- Atlassian Agile Project Management Professional Certificate | Sep 2024
- 6th Place Overall & Best Startup — World's Largest Hackathon presented by Bolt — 100,000+ submissions | 2025
- President's List — Summer 2023, Fall 2023, Spring 2023, Summer 2024, Fall 2024, Spring 2024
- Summa Cum Laude — B.S. Computer Science, SNHU | Dec 2025

TECHNICAL SKILLS

Frontend: React (18), Angular, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Vite, Tailwind CSS, component architecture, responsive design

Backend: Node.js, Fastify, Express, Python (Flask), RESTful API design, WebSockets, structured validation, error handling, microservice patterns

Mobile: Kotlin, Jetpack Compose, MVVM, Clean Architecture, Firebase Auth, Room (SQLite), Firestore, RevenueCat SDK, ML Kit, CameraX

Databases: PostgreSQL, MySQL, MongoDB, Supabase, Firebase Firestore, relational schema design, indexing, query optimization, Row Level Security (RLS)

Security: OWASP Top 10, RBAC, JWT, MFA/TOTP, Secure SDLC, Row Level Security, input validation, HMAC webhook security, audit logging

Cloud & DevOps: Microsoft Azure (App Services, SQL), Firebase, Netlify, Railway, Supabase, CI/CD concepts, Git, GitHub, Azure DevOps (familiar)

AI & Tools: Claude API, Claude Code, OpenAI API (GPT-4o, Codex), ElevenLabs, GitHub Copilot — integrated across full SDLC as standard practice

Testing: Unit & integration testing, Jest-compatible frameworks, PyTest patterns, ESLint, TypeScript strict mode, debugging, code review

Operations: POS systems, CRM platforms, Microsoft 365, Google Analytics, SEO, WordPress, inventory management, project lifecycle management

Languages: JavaScript (ES6+), TypeScript, Python, Kotlin, Java (familiar), HTML5, CSS3

WORK EXPERIENCE

Co-Founder & Technical Lead | **iLash and Skincare** | Miami, FL | Jan 2013 – Present

Joined at the concept stage and helped build the business from the ground up — from initial idea through business formation, licensing, regulatory compliance, and daily operations, all the way to a fully staffed and technology-driven company. Wore every hat across 8+ years, eventually owning all technology, marketing, and operations as the business scaled.

Phase 1 — Founding & Business Formation

- Contributed to the original business concept and helped shape the company from day one
- Navigated business setup, licensing, and regulatory compliance from the ground up
- Worked front-line roles — front desk, client scheduling, appointment management, customer calls — building deep operational knowledge across every layer of the business

Phase 2 — Growth & Customer Acquisition

- Owned all marketing and business development: social media, Google Ads, SEO, campaign strategy
- Led full company rebranding, overseeing new identity, positioning, and go-to-market execution
- Introduced a membership program that increased foot traffic and recurring revenue
- Adapted the business during COVID-19 by developing online service offerings, contributing to a 90%+ client return rate at reopening
- Executed targeted campaigns resulting in a 25% increase in service uptake from key demographics

Phase 3 — Technology, Web Development & IT Infrastructure

- Designed and built a full-stack appointment scheduling and service management platform in daily production use by staff and clients — React frontend, RESTful API backend, PostgreSQL database
- Owned the complete product lifecycle: requirements, architecture, development, deployment, and ongoing iteration
- Planned, designed, and launched company website and all digital properties; redesign resulted in a 30% increase in online conversion rate
- Established POS and CRM systems, improving operational efficiency and reducing manual overhead
- Implemented RBAC and role-based access controls to protect sensitive customer data
- Continuously audited and monitored system logs to ensure system integrity and availability

Phase 4 — Operations Leadership

- Established clear timelines for new service rollouts, achieving 95% adherence to strategic goals
- Designed and implemented staff training programs for new services and technology platforms
- Monitored project milestones and deliverables, ensuring 99% of tasks completed on schedule
- Collaborated on resource allocation, task delegation, and risk management at the executive level

Software Engineer & Security Consultant | **Independent / Freelance** | Remote · Miami, FL | Jan 2023 – Present

Design, build, and ship production full-stack applications and provide IT and cybersecurity consulting services to small and mid-size businesses. Services include security gap analysis, IT infrastructure assessments, security policy development, and contract software development. Integrate AI tooling as a standard part of the SDLC across planning, architecture, development, testing, and documentation.

Customer Relations & Marketing Director / Captain | Salty Miami | Miami, FL | Feb 2020 – May 2023

- Redesigned company website with a user-centered approach, contributing to a sustained 90% booking rate over 12 months
- Developed customer feedback workflows that drove service improvements and increased positive reviews
- Designed and launched new programs including summer camps and corporate events, generating new revenue streams
- Trained team members on engagement, safety, and program delivery, contributing to a 60% repeat customer rate
- Captained and operated vessels, managing guest safety, logistics, and overall customer experience

Sailing Instructor / Program Coordinator / Sales | SailLaser Miami | Miami, FL | 2009 – 2013

- Certified sailing instructor managing group and individual lessons for students of varying experience levels
- Promoted to Program Coordinator (Summer 2012) to design and lead youth sailing programs for children aged 5–16
- Joined sales team to sell smart sailboats — product demonstration, client relationship management, and closing

SOFTWARE PROJECTS

CallVance — AI-Powered Appointment Confirmation Platform ★ 6th Place Overall & Best Startup — World's Largest Hackathon presented by Bolt (100,000+ submissions)

React · TypeScript · Node.js · Fastify · PostgreSQL · WebSockets · OpenAI API · ElevenLabs · Twilio · Stripe · Supabase · Netlify · Railway

- Built full production SaaS platform end-to-end: React + TypeScript dashboard, Node.js/Fastify backend, PostgreSQL database, real-time WebSocket event pipeline
- Integrated OpenAI, ElevenLabs, and Twilio APIs with HMAC webhook validation and secure event handling
- Implemented multi-tenant RBAC at database layer using Row Level Security — strict data isolation across all clients
- Integrated Stripe subscription and usage-based billing with per-call metering, free-trial enforcement, and transaction auditing
- Deployed via Netlify, Railway, and Supabase; maintained stability under real production load

Payment Tracker — Business Operations Application

React 18 · TypeScript · Vite · Supabase · PostgreSQL · Supabase Edge Functions

- Built full-stack payment management UI with filterable transaction tables, date-range navigation, and financial summary cards
- Applied useMemo and component memoization for performance across large datasets
- Built server-side HTML report generation via Supabase Edge Functions; enforced Row Level Security and CORS on all endpoints

ShelfChef — Native Android Kitchen Management App

Kotlin · Jetpack Compose · MVVM · Clean Architecture · OpenAI GPT-4o-mini · RevenueCat · Firebase Auth · Firestore · ML Kit · CameraX

- Built production-ready native Android app with pantry management, AI-powered recipe generation, and barcode scanning
- Implemented subscription billing with RevenueCat SDK including feature gating and paywall UI
- Integrated Firebase Auth and Firestore cloud sync; designed Room database schema with migration support

Financial Planner — Secure Full-Stack Application

Angular · TypeScript · JWT · MFA/TOTP · RESTful APIs · PostgreSQL

- Developed Angular + TypeScript frontend with role-based UI flows and multi-user access patterns
- Designed RESTful APIs with JWT authentication, MFA/TOTP, and relational schema optimized for data integrity
- Produced full technical documentation covering architecture, security model, API contracts, and component design

Medify — Medication Tracker

Python · Flask · Microsoft Azure (App Services, SQL)

- Built full-stack web app for medication tracking with dynamic scheduling, CSV export, and secure authentication
- Deployed on Microsoft Azure with Azure SQL backend