

Matthew Spaulding

AI & Technology Leader
Product, Engineering & Agentic Systems

📍 Tampa, FL, USA
📞 (727) 324-8369
✉️ mrmattspaulding@gmail.com
🌐 linkedin.com/in/spauldingmatthew

Professional Summary

I build agentic AI systems and LLM-based platforms that work in production. Over the past 15+ years, I've taken early-stage products from first build to scaled systems, designing architecture, writing code, and building the teams and practices that keep things running. My recent focus is AI: agent workflows, tool calling, RAG, and data pipelines that support reliable outputs and future model training. I'm hands-on and comfortable owning the system end to end.

Skills

AI & Agentic Systems: LLM architecture, agent systems, tool calling, RAG, prompt engineering, evaluation frameworks, LangChain, LangGraph, structured outputs, autonomous AI systems, multi-agent orchestration, vector search

Technical: Multi-tenant SaaS, event-driven systems, distributed systems, data pipelines, API design, microservices

Platform & Infrastructure: AWS, GCP, Azure, PostgreSQL, Redis, message queues, CI/CD, infrastructure-as-code, Docker, Kubernetes, Terraform, observability and monitoring

Product: Product-market fit, roadmap prioritization, user adoption, cross-functional collaboration

Leadership: Team building (3 → 20+), hiring, mentoring, engineering culture, performance management

Programming Languages: JavaScript, TypeScript, React, Node, Python, C#, C++, SQL

Professional Experience

Founder & AI Product Lead

Beesla, Tampa, FL | Apr 2025 – Present

- Built an AI-native platform that converts natural language into structured agentic AI flows for autonomous task orchestration
- Designed and implemented the full LLM system including tool calling, retrieval, validation, and structured outputs for production use
- Built agent pipelines that interpret user intent, orchestrate API calls, and return structured results under real-world constraints
- Architected the platform as a distributed system to support real-time queries, data aggregation, and scaling

Cofounder & Chief Technology Officer

JobPhase, Tampa, FL | Apr 2024 – Apr 2025

- Built an early-stage SaaS platform in the HR space
- Designed system architecture across services, data pipelines, and cloud infrastructure
- Put core engineering practices in place including CI/CD, testing, infrastructure-as-code, and monitoring

Cofounder & Chief Technology Officer

Weaver, Tampa, FL | Apr 2023 – Apr 2024

- Owned system architecture and technical direction for an early-stage SaaS platform
- Designed backend systems and data models to support multi-client usage and growth
- Implemented deployment pipelines, CI/CD, and operational standards for production reliability
- Built and led the engineering team while staying hands-on in system design and development

Software Engineering Manager

Spekit, Denver, CO | Jan 2022 – Jul 2022

- Led a cross-functional engineering team within a Series A startup, managing to a ~20 person engineering org building a multi-tenant SaaS platform
- Worked directly on system design and architectural decisions to support scale and rapid iteration
- Improved delivery by introducing clearer engineering standards, code reviews, and release practices
- Partnered with product to turn roadmap ideas into production-ready systems
- Hired and mentored engineers while maintaining high standards for code quality and reliability

Software Engineering Manager

PwC, Tampa, FL | Mar 2020 – Nov 2021

- Led development within a ~60 person engineering organization delivering a cloud-based enterprise platform
- Designed and guided system architecture across services, ensuring consistency and long-term scalability
- Helped modernize engineering practices, including CI/CD, deployment workflows, and code standards
- Worked closely with business stakeholders to ensure systems matched real operational needs
- Supported reliable production releases in a complex, regulated environment

Software Engineering Manager

LoanLogics, Jacksonville, FL | Oct 2018 – Dec 2019

- Built and led a team of 15 engineers to deliver the first version of a cloud-based underwriting platform
- Designed a microservices architecture to support independent team scaling and fault isolation
- Worked hands-on in system design and implementation to meet aggressive delivery timelines
- Built AWS-based infrastructure and CI/CD pipelines to support reliable, repeatable releases
- Aligned architecture and delivery with customer and regulatory requirements

Tech Lead Software Engineer

iProcedures, Tampa, FL | Mar 2016 – Oct 2018

- Led development of a real-time clinical data platform used for anesthesia monitoring
- Designed systems for capturing, processing, and visualizing live patient data
- Built real-time dashboards and data pipelines within a regulated healthcare environment
- Architected deployment workflows across desktop and cloud, including versioning and automated releases
- Mentored engineers and set standards for architecture, code quality, and system reliability

Senior Software Engineer

Toptal, San Francisco, CA | Sept 2015 – Mar 2018

- Delivered full-stack web applications for enterprise and education clients, including a nationwide learning platform and a banking risk management system
- Designed cloud-based architectures, implemented role-based access systems, and delivered scalable production deployments across multiple industries

Senior Software Engineer

Wolters Kluwer Law, Tampa, FL | Jan 2014 – Sept 2015

- Developed enterprise medical coding software within a global regulatory technology organization
- Designed and implemented search and fuzzy matching logic to improve code discovery and classification

Education

Master of Science in Computer Engineering

University of South Florida, Tampa, FL | Graduated 2011