

Casey Spaulding

Forward Deployed AI Engineer | Customer-Facing Builder · LLM Agents & Document AI · C# / .NET · TypeScript · AWS

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Summary

Engineer who sits with users, learns their messy real-world workflows, and ships AI that works inside them. Founder and sole engineer of DocJacket, a production AI platform used by 230+ real estate professionals: I ran discovery with agents and transaction coordinators, built LLM document and agent workflows with human-approval gates, and iterated from their feedback to adoption. Seven years of professional full stack engineering across federal, fintech, and commercial systems. Before software, 21 years in the U.S. Navy (Chief Petty Officer, Ret.) leading recruiting, training, and four regional offices, where persuading skeptical audiences and teaching complex material was the job. MS in Computer Science, AI specialization.

Core Strengths

- **Customer discovery to deployment:** turn vague user pain into scoped solutions, ship them, and own them in production.
- **Applied AI in messy environments:** LLM document extraction, embeddings and retrieval, agent orchestration with verification and human-approval gates, model evaluation on quality, latency, and cost.
- **Stakeholder communication:** explain technical tradeoffs to non-technical audiences, from executives to end users.
- **Technical enablement:** design training, mentor engineers, and raise team fluency in new tools and practices.
- **Full-stack range:** APIs, front ends, data, infrastructure, and operations, so deployments don't stall waiting on another team.

Experience

Founder & AI Product Engineer — DocJacket | April 2025 – Present | Kissimmee, FL

Built and deployed a production multi-tenant AI platform for real estate transaction workflows, now used by 230+ agents, transaction coordinators, and broker-owners.

- Ran discovery directly with users to map how transactions actually move, then turned those workflows into shipped product.
- Deployed LLM document workflows that turn unstructured contracts into structured transaction data, with validation and human-in-the-loop review so users trust the output.
- Built agent and tool orchestration for multi-step workflows with explicit verification and approval gates, plus an MCP server exposing platform data and actions to AI agents.

- Cut per-document processing cost ~85% with a hybrid pipeline (PDFPig for digital, Azure OCR for scanned) and reduced LLM token use 30–40% with preprocessing ahead of model calls.
- Evaluated frontier models on quality, latency, reliability, and cost, and matched models to workloads.
- Translated user feedback into prioritized product changes and shipped them in short cycles.
- Own the full stack and operations: .NET API, PostgreSQL, Angular, Docker on Linux, CI/CD, monitoring, backups, and a 140+ test acceptance suite.

.NET Full Stack Engineer — Priority One Financial Services | February 2026 – Present | Orlando, FL

- Modernize legacy backend services into .NET Minimal APIs with Angular front ends in a regulated financial-services environment.
- Work with business stakeholders to translate financial workflows into microservices.

.NET Full Stack Engineer — Accenture Federal Services | December 2023 – February 2026 | Remote (USDA)

Delivered modernization work on USDA's farmers.gov platform, used by 5,000+ federal employees, in a client-facing consulting role.

- Led the rewrite of a legacy WebForms app into Angular and a .NET 8 API on AWS Lambda.
- Integrated AWS Cognito with federal eAuth for identity and access management.
- Improved performance 25% and reduced AWS costs through caching.
- Mentored 4 developers and ran 20+ code reviews a month, contributing to a 30% drop in defects.
- Authored 15+ architecture diagrams to align engineering and client stakeholders; delivered 10+ high-priority features ahead of schedule.

.NET Full Stack Developer — BlueJackett Systems (Consulting) | April 2019 – December 2023 | Orlando, FL

- Worked directly with small-business clients to scope, build, and deliver custom applications and REST APIs in C#/.NET, Blazor, and Angular on Azure.
- Owned delivery end to end, from requirements through deployment and support.

NJROTC Instructor & CyberPatriot Coach — San Diego Unified School District | August 2019 – May 2021

- Taught technical material to students with no background and coached a cybersecurity team to the 2020 CyberPatriot National Finals.

Chief Petty Officer (Ret.) — U.S. Navy | June 1998 – June 2019

Director of Training & Development and Area Manager, Navy Recruiting District San Diego.

- Led recruiting operations across four regional offices: persuading skeptical audiences, handling objections, and hitting targets.
- Directed technical training programs for 50+ personnel.

Technical Skills

- **AI:** Claude, GPT, and other frontier models; prompt and context engineering; structured outputs; embeddings and retrieval (RAG); agentic tool-use; MCP; human-in-the-loop design; model evaluation
- **Languages:** C#, TypeScript, Python, SQL, JavaScript
- **Backend & Data:** .NET 8/10, ASP.NET Core, REST, EF Core, Hangfire, PostgreSQL, SQL Server
- **Cloud & DevOps:** AWS (Lambda, Cognito, S3), Azure OCR, Docker, Linux, CI/CD
- **Frontend:** Angular, React, Tailwind CSS

Education

- M.S., Computer Science (AI & Machine Learning) — Western Governors University, 2025
- B.S., Software Engineering — Western Governors University, 2024
- B.S., Business — Marylhurst University, 2010

Certifications & Clearance

AWS Certified Machine Learning – Specialty · AWS Certified AI Practitioner · Secret Clearance · Public Trust