

Justin Powell

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SUMMARY

Software engineer building AI-enabled product and backend systems across conversational AI, developer tools, and fintech research workflows. Experienced in serverless APIs, TypeScript/Python applications, ERP delivery, and using LLM/agent workflows to turn ambiguous business problems into shipped software.

EXPERIENCE

Software Engineer

Capital One

Richmond, VA
Feb 2025 - Present

- Build serverless backend platforms connecting Conversational AI/NLU systems to customer identification, authorization, and credit card account-management services
- Develop and maintain RESTful APIs powering interactive voice response experiences for tens of millions of customer calls
- Implement monitoring and reliability improvements with cross-functional teams to improve operational visibility and production support

Senior Technology Consulting Associate

RSM US LLP

Chicago, IL
Jul 2021 - Feb 2025

- Led cross-functional teams through Microsoft Dynamics 365 F&O implementations for food and beverage clients, translating business requirements into delivered system capabilities
- Ran business process reviews, gap analysis, solution design, testing, training, and post-go-live support across full ERP project lifecycles
- Designed, tested, and implemented 30+ product enhancements to close client process gaps and improve user adoption

PROJECTS

SpeakerClip — AI Caption Editing Tool

- Building a speaker-aware caption workstation for messy multi-speaker clips, focused on podcasts, interviews, streams, and long-form creator content
- Designed product workflows for speaker labeling, transcript cleanup, and short-form content repurposing
- Exploring AI-assisted editing pipelines using transcription, diarization, and LLM-based caption refinement

AI Research & Signal Automation Tools

- Built agent-oriented research workflows for monitoring social and on-chain signals, surfacing smart-money activity, and organizing watchlists
- Designed backend services and Telegram publishing flows that turn noisy market data into concise alerts and research summaries
- Explored AI-tool packaging patterns, API documentation, usage limits, and payment-gated access for reusable research capabilities

EDUCATION

Master of Data Science

University of Pittsburgh

September 2025 - Present

Bachelor of Science: Industrial Engineering

University of Illinois at Urbana-Champaign

May 2021

SKILLS

TypeScript, JavaScript, Python, SQL, AWS, REST APIs, Serverless, Next.js, Prisma, Zod, Docker, AI/LLM Workflows, Prompt Engineering

CERTIFICATIONS

- AWS Solutions Architect Associate (Jan 2025)
- Dynamics 365: Core Finance and Operations (Feb 2023)