David Sousa

Self-taught builder of AI tools, automations and sites · Retail operations
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SUMMARY

I build working AI tools, automations and sites from problems I see on the job, and ship them with the proof attached. Day job: merchandising execution at The Home Depot.

EXPERIENCE

Founder · Sousa Systems
Philadelphia area, PA · Nov 2026 – present

- Umbrella for ProLynk, an AI Contractor System for home-improvement contractors (since 2025), and Faith Media Studio, Bible-story videos for churches (Nov 2026).
- Built Bid by ProLynk, a voice-to-proposal tool that drafts a proposal and a follow-up email into Google Drive and Gmail; used by one contractor.
- Built an AI video pipeline: one script becomes an 11-minute narrated episode, a vertical clip, an audio edition and a thumbnail.

Merchandising Execution Team (MET) · The Home Depot, Ridley store
Folsom, PA · Nov 2025 – present

- Planogram execution, bay resets, price changes and service calls.
- On my own time: a Gift Center pallet-drop app, a reach-truck drop-order optimizer and the Home Depot OS portfolio. Independent projects, not Home Depot products.

Flooring Associate, hard surface · The Home Depot, Ridley store
Folsom, PA · Apr 2024 – Nov 2025

- Hard-surface flooring sales and customer service.
- Built flooring calculators on my own time that associates at my store use.

Full Stack Developer & Operations · Virtual Sports Academy
Philadelphia, PA · 2022 – present (part-time since Jun 2023)

- Built and maintain the website and data systems: webhooks, SFTP, hosting.

Logistics Coordinator · Philly's Best Steak Company
Yeadon, PA · 2020 – 2022

- Managed 30–40 daily orders, including international shipments.

Founder's Assistant & Coach · Future Captain Sports
2013 – 2016

- Sponsor outreach, presentations and coaching operations; supported a mobile lesson-plan tool.

SKILLS · ALL SELF-TAUGHT

Web	HTML/CSS, JavaScript, TypeScript, React, Next.js, Tailwind
Mobile	React Native, Firebase, Swift
AI/ML	Claude, OpenAI API, prompt and workflow design, Python
Cloud	Vercel, AWS fundamentals, PostgreSQL, SFTP and hosting
Automation	Webhooks, Google Drive and Gmail APIs, Twilio
AI agents	Scheduled Claude agents, MCP tool integrations

CREDENTIALS

- AWS Cloud Quest: Cloud Practitioner badge (Oct 2024)
- AAA Accelerator, AI automation agency program (2024)
- Claude Certified Architect (in progress)

EDUCATION

- B.S. Economics, Widener University
- College soccer team captain

Proof for every project: dave.sousasystems.com