Robert Rautenkranz

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SUMMARY

Forward-deployed builder with 8 years turning messy operations into working software, now with AI. Rolled out a Microsoft Teams AI agent on Azure, delivered an enterprise Airtable platform solo in two months, and ran a nearly $5M services division. Outside work, ships AI products end to end, including an analytics platform with its own MCP server.

EXPERIENCE

Optimum CS · Remote — December 2025 – October 2026

Senior Consultant

- Delivered the Airtable platform that runs a large U.S. retailer's talent development team, as sole developer in two months, with role-based request routing, templated project plans, and dashboards, then moved 300+ live projects off Smartsheet in 30 minutes instead of days with a tested Python migration through its API
- Engineered a Microsoft Teams AI agent on Azure, released firm-wide, to get consultants' hours in on time for finance's weekly close, drafting entries from calendars via Microsoft Graph and plain-language recaps via Azure OpenAI for quick review, plus new finance and manager views
- Designed a platform-agnostic tool for planning system migrations and built its Smartsheet-to-Airtable path, which reads a live workspace through the API and proposes the full target design with evidence for every recommendation, so consultants review a draft instead of starting from a blank page
- Drove the Airtable technical side of discovery for two enterprise clients, a 10-department Fortune Global 500 company and 13 HR teams at a large U.S. retailer, designing an LLM estimating workflow refined with each team that folded 13 builds into one template and cut a 1,000-hour plan by more than 25%
- Prototyped and scoped AI solutions that turned pre-sales calls into concrete proposals, including a Westlaw-style AI app for a law firm that bills usage to each client matter with per-matter tenancy, and an AI reporting rollout for a real estate firm with code-computed financials and model-written commentary
- Led up to 10 ClickUp client accounts at once alongside the enterprise work, delivering workflows, dashboards, and AI agents

National Assemblers · Remote — October 2018 – December 2025

Operations & Business Manager (2020–2025), promoted from Business Analyst (2018–2020)

- Ran operations for an in-home services division approaching $5M in annual revenue, leading 3–5 account managers and overseeing hundreds of field technicians while owning payroll, invoicing, and escalations
- Built the Airtable CRM that processed 1,000+ jobs a week and led its development as the team grew, syncing partner orders in and job status back out through Make.com, REST APIs, and webhooks so partners could track service in real time
- Onboarded a dozen retail and brand partners onto the platform, working with each partner's IT team to map their order data into the CRM and set up the integrations behind each launch
- Served as product owner for a custom CRM, website, and technician app built by an external dev team, running weekly requirements, prioritization, and UAT through a phased field rollout

PROJECTS

- **whatdoyouwantfordinner.app**: Launched a meal planner on React and Supabase where rate-limited LLM calls in Edge Functions turn pasted recipes and URLs into macro-estimated ingredients, and a deterministic planner infers what's left from past grocery trips to plan the week around it
- **CFB Sharp**: Shipped a college football analytics platform where 17 scheduled Python jobs feed an eight-factor model, with an LLM pipeline that turns injury news into validated structured data and an MCP server that lets AI analysts query data and run experiments, with every write requiring human approval
- **Avon Car Service**: Redesigned a car service's website as a React app whose AI booking assistant hands structured quotes to a validated server endpoint, so one owner approval triggers Square invoicing, a confirmation email, and a Google Calendar event
- **Push Pull Legs Mind**: Developing an iOS workout and reflection app in React Native and TypeScript with no backend, keeping the private journal in its own on-device database behind a native Swift module and code-enforced access rules

EDUCATION & SKILLS

University of Florida — *B.S., Biomedical Engineering* — April 2017

Springboard — *Full Stack Software Engineering Certificate* — November 2024

Certifications: Anthropic Academy · Airtable Builder, Admin, AI App Builder · Make.com Levels 1–3

AI: Claude & Azure OpenAI APIs, Claude Code, MCP, AI agents · **Code:** Python, TypeScript, SQL, React, React Native, FastAPI

Platforms: Azure, Microsoft 365 Agents SDK, Microsoft Graph, Supabase, Airtable, ClickUp, Make.com, Smartsheet API, Linux