

Ryan Sanders

Technology leader — data, AI, and the infrastructure behind them.

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Technology leader who builds and runs custom data solutions — pipelines, data models, BI, and governed AI on company data — along with the infrastructure, vendors, and budget behind them. Lead a 7-person software and infrastructure team and own ~\$220k/yr in software and vendor contracts, while staying hands-on in architecture and code. M.S. Industrial Engineering.

EXPERIENCE

Bad Boy Mowers — Software Engineer · leads a 7-person software & infrastructure team 2020–Present

- Lead a 7-person team (4 direct, 3 indirect in infrastructure) covering software, Linux/VM infrastructure, networking, databases, BI, and AI; partner across IT, operations, and finance.
- Own ~\$220k/yr in software and vendor contracts (Tableau, Datadog, and others): selection, negotiation, renewals, and vendor management.
- Set and delivered the company's applied-AI strategy: a governed AI gateway rolled out company-wide (Sept 2026) with deny-by-default access and eval-gated releases — 212/212 golden questions, 90.8% on a blind holdout.
- Modernized the BI platform: moved Tableau to a highly available Linux cluster with no data-source rework, cutting failover from ~5 minutes to ~1.
- Built a self-service app platform so developers ship without IT running each deploy.
- Turned manual infrastructure operations into tested automation across the estate — patching, certificates, disk, and monitoring.
- (Earlier) Built line-of-business apps and enterprise .NET services, rolled out Tableau company-wide, and automated reporting.

Pinnacle Data Solutions — Software Consultant (Contract) 2022–Present

- Build multi-tenant SaaS web apps with Next.js, Supabase/PostgreSQL (row-level security), and Vercel — including donation-management portals for nonprofit clients.
- Built a client reporting portal (White River Holdings) that replaced legacy Tableau dashboards, with custom data pipelines (HubSpot / Stova / iLevel ETL).

University of Arkansas — Graduate Research Assistant 2018–2019

- Machine-learning research. Master's thesis built deep-learning models (TensorFlow, ensembles of LSTM recurrent networks) to predict opioid overdose from medical-claims data, with high classification accuracy. Presented at IISE Annual and INFORMS conferences.

The Hershey Company — Category Strategy & Insights Intern 2016–2018

- Advised Walmart and Sam's Club buyers to drive growth of a \$2.5B business. Automated manual reporting tasks saving over \$50,000/year; named "Remarkable Person of Q3 2017."

J.B. Hunt Transport Services — Engineering Intern, Optimization Summer 2017

- Built routing-heuristic applications in C#; designed and deployed a customer-facing GIS application used to drive sales of dedicated fleets (a \$1.5B business).

SKILLS

Leadership & Management	Team leadership · Vendor & contract management · Budget ownership · IT strategy & roadmap · Data governance · Build-vs-buy decisions · Cross-functional delivery
Data & BI	Tableau (Server administration at scale) · Microsoft SQL Server · PostgreSQL / Supabase · ETL & data pipelines · Data modeling
AI / ML	LLMs & agents · Anthropic Claude · Model Context Protocol (MCP) · LLM evaluation · RAG / search · TensorFlow · scikit-learn
Infrastructure	Linux & virtualization · Docker & container platforms · Cloudflare · Azure DevOps CI/CD · Observability (Datadog)
Languages & Frameworks	C# / .NET · Python · SQL · TypeScript · Next.js / React · R

EDUCATION

M.S., Industrial Engineering, University of Arkansas — Dec 2019 · GPA 3.88 · plus a Graduate Certificate in Statistics & Analytics.

B.S., Industrial Engineering, University of Arkansas — May 2018 · GPA 3.93 · summa cum laude, Alpha Pi Mu (IE honor society), minors in mathematics and business.