Matthew Rundle

Applied AI and Solutions Engineering

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Applied AI and software builder who turns operational workflows into working applications. Deployed Western Magnetics' manufacturing execution system and built communications and clinical documentation products through Domain Labs. Combine system, data and API design with direct collaboration with users and experience managing a six-person data science team.

Areas of focus

Applied AI | Agent orchestration | System and API design | Customer-facing delivery | Production software

Professional experience

Western Magnetics | Westmag Jan 2026 - Present

Work focus: Manufacturing systems and applied AI

- Built and deployed the manufacturing execution system (MES) and ERP that run Western Magnetics' production, quality, purchasing, inventory and shipping workflows.
- Worked directly with production staff from initial prototype through integration, hardening and rollout, translating factory processes into software used on the floor.
- Built the platform with Next.js, PostgreSQL, Prisma and Docker, using API boundaries and an audit trail for state changes.
- Used AI coding agents throughout development while owning code review, refinement and hardening of generated software.
- Built an agentic failure-analysis workbench that connects test results with conclusions traceable to source evidence and agent activity.
- Designed work-order, routing and station workflows with role-based operator interfaces and an event stream that records production state changes.

Domain Labs | Austin TX 2025

Founder, AI and SaaS Solutions

- Partnered with small businesses to design and build custom SaaS applications, owning system design, data modeling, API design and delivery.
- Built CoreLinq Communications for multi-tenant email, voice and SMS orchestration, with outcome verification before follow-up actions, bounded recovery and human escalation.
- Built CoreLinq Scribe with AI-drafted clinical documentation, human editing and approval, and connections to inventory and practice operations.

Data and analytics leadership

Expedia Group | Vrbo | Austin TX Apr 2021 - Jan 2025

Senior Manager, Supply and Commercial Data Science and Analytics

- Built and managed a team of six data scientists and established shared Python and SQL standards for analytics work.
- Integrated disparate data sources into executive reporting to support consistent business decisions.
- Established an executive analytics function delivering regular insights for commercial strategy and resource allocation.

Expedia Group | Vrbo | Austin TX May 2019 - Apr 2021

Manager, Analytics and Data Science

- Developed market segmentation across more than 15 variables to identify and prioritize high-value property acquisition targets.
- Built regional reporting and analytics frameworks supporting sales visibility, prioritization and commercial decisions.

Earlier experience

HomeAway and Vrbo 2018 - 2019
Global Reporting and Analytics Manager; Data Analyst II

National Instruments 2016 - 2018
Senior Consultant, Data Analytics

The Advisory Board Company 2013 - 2016
Senior Business Analyst

Skills

AI systems LLM APIs, retrieval-augmented generation, agent orchestration, outcome verification and human review workflows

Engineering Python, SQL, TypeScript, JavaScript, Next.js, React, PostgreSQL, Prisma, Docker and API integration

Delivery System design, data modeling, stakeholder collaboration, code review and software rollout

Analytics Executive reporting, segmentation, statistical analysis and technical team leadership

Education

Washington State University 2006
BA, Management Information Systems