

Adam Troxell

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Senior Software Engineer / Founding Engineer**Full-Stack Platforms • Cloud-Native Systems • Product Engineering**

Senior software engineer with 6+ years of professional experience designing, building, and operating scalable, high-reliability applications across the full software development lifecycle. Proven ability to own complex systems end-to-end—from architecture and implementation to deployment, monitoring, and production support. Strong collaborator with product partners and stakeholders, with a passion for building software that delivers meaningful user experiences.

Professional Experience**Founding Engineer / Senior Software Engineer**

RJ Energy Solutions | Remote | Aug 2024 – Present

Sole engineer responsible for the design, development, and operation of a production, full-stack platform delivering real-time monitoring, analytics, and alerting across multiple customer environments.

- Designed and implemented a cloud-native, microservices-based platform supporting real-time data ingestion, processing, and analytics.
- Built and maintained backend services using FastAPI and Node.js, exposing REST APIs consumed by a React-based frontend.
- Developed a responsive React application delivering real-time operational insights to end users, emphasizing clarity, performance, and reliability in high-traffic production environments.
- Designed relational data models and wrote complex SQL queries in PostgreSQL to support analytics, reporting, and alerting workflows.
- Containerized services using Docker and deployed production workloads using CI/CD pipelines, enabling repeatable and reliable releases.
- Implemented system monitoring, alerting, and health checks to proactively detect failures and improve production reliability
- Designed systems with forward-looking scalability and failure isolation in mind, enabling safe iteration and continuous delivery in production..

- Troubleshooted and resolved issues across development, staging, and production environments, often acting as the on-call engineer.
- Collaborated closely with business stakeholders, partners, and customers to define requirements, estimate effort, and deliver features on schedule.
- Platform reliability and performance directly enabled successful deployments with Homewood Suites and Slick City, supporting guest-facing operational experiences.

Key Technologies:

Python, Node.js, React, SQL, PostgreSQL, Docker, CI/CD, REST APIs, Linux, Cloud Compute (OCI)

Solutions Manager / Customer Coordinator

FBS / FlexmIs | Fargo, ND | 2017 – 2023

Senior customer-facing technical role supporting a large-scale SaaS platform serving hundreds of thousands of users.

- Served as a technical bridge between customers, product, and engineering teams, translating business needs into clear technical requirements and tradeoffs.
- Partnered with engineers and leadership to clarify priorities, improve execution, and reduce miscommunication across teams.
- Developed strong executive-level communication skills through frequent interaction with leadership, engineers, and enterprise customers.
- Built deep intuition for customer pain points, operational constraints, and real-world system usage.

Technical Skills

- **Languages & Frameworks**
Python, JavaScript (Node.js), React, C#, SQL
- **Backend & Architecture**
RESTful APIs, Microservices Architectures, Object-Oriented Design, Distributed Systems
- **Data & Persistence**
PostgreSQL, Relational Data Modeling, Complex SQL Queries

- **Cloud & DevOps**
Docker, CI/CD Pipelines, Linux, Cloud-Native Applications (OCI / AWS-equivalent concepts)
- **Practices**
Full SDLC Ownership, Production Monitoring & Alerting, Debugging & Troubleshooting, Agile / Scrum

Education & Credentials

Emerging Digital Academy — Full-Stack Software Development
(Node.js, React, SQL, C#)

Certified Scrum Product Owner (CSPO) — Scrum Alliance (2018)
Applied product ownership principles across enterprise SaaS and platform development

Microsoft — Support Escalation Engineering
(Enterprise systems, cloud platforms, production troubleshooting)