

Adam Troxell

West Fargo, ND (Open to Remote / Relocation)

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Senior Software Engineer

Full-Stack Python & React | PostgreSQL | Cloud-Native Systems | Production Ownership

Full-stack engineer with 6+ years building and operating production systems end-to-end. Deep expertise in Python (FastAPI), React, Node.js, and PostgreSQL. Comfortable owning the full stack from schema design and API architecture through frontend delivery, CI/CD, and production observability. Known for shipping reliable software in fast-moving, async remote environments and collaborating directly with stakeholders to turn requirements into working systems.

EXPERIENCE

Founding Engineer / Senior Software Engineer

RJ Energy Solutions | Remote | Aug 2024 – Present

- Architected and shipped a production full-stack IoT platform from zero: event-driven Python (FastAPI) backend, React frontend, and PostgreSQL data layer serving real-time monitoring, analytics, and alerting across multiple customer environments.
- Designed PostgreSQL schemas and complex queries to power analytics and alerting workflows, optimizing critical query paths and reducing critical query latency by 25%.
- Built and exposed secure, high-performance REST APIs consumed by the React frontend and third-party integrations, supporting core product workflows across customer deployments.
- Deployed and operated all services on cloud infrastructure (OCI/AWS-equivalent) using Docker and CI/CD pipelines, achieving repeatable, zero-downtime releases.
- Implemented end-to-end observability: structured logging, alerting, and health checks that proactively surfaced failures before customers reported them.
- Delivered production integrations with Homewood Suites and Slick City, enabling guest-facing operational experiences at scale.
- Acted as sole on-call engineer, owning incident response, root cause analysis, and resolution across dev, staging, and production environments.
- Collaborated directly with business stakeholders and customers to define requirements, scope features, and deliver on schedule.

Solutions Manager / Technical Customer Partner

FBS / Flexmls | Fargo, ND | 2017 – 2023

- Served as the technical bridge between enterprise customers, product, and engineering on a large-scale SaaS MLS platform serving hundreds of thousands of users, translating complex business requirements into actionable engineering specs.
- Partnered with engineering and leadership to clarify priorities, surface technical tradeoffs, and reduce cross-team miscommunication, improving delivery execution across multiple product cycles.
- Developed executive-level communication skills through sustained interaction with enterprise customers, C-suite stakeholders, and engineering leadership.
- Built deep intuition for production system behavior, user workflows, and operational constraints that directly informed technical decisions after transitioning to full-time engineering.

TECHNICAL SKILLS

Languages:	Python, JavaScript (Node.js), TypeScript, SQL, C#
Frontend:	React, Next.js, TypeScript, Redux Toolkit, React Query, Modern CSS Frameworks
Backend:	FastAPI, REST APIs, Microservices, Event-Driven Architecture, Distributed Systems
Data:	PostgreSQL, Relational Data Modeling, Schema Design, Query Optimization, Migrations
Cloud / DevOps:	AWS (EC2, RDS, S3, CloudWatch), OCI, Docker, CI/CD Pipelines, Linux
Practices:	Full SDLC Ownership, Production Observability, Incident Response, Async Remote Collaboration, Agile / Scrum

PROJECTS

Wanderwise — Full-Stack Travel Planning App

Personal Project

- Built a full-stack travel planning application using React and Redux Toolkit for global state management, with a Node.js backend and PostgreSQL database. Implemented async data flows and normalized state architecture for trip discovery and itinerary management.

EDUCATION & CREDENTIALS

Prime Digital Academy (Emerging Digital Academy) — Full-Stack Software Development

Node.js, React, SQL, C#

Certified Scrum Product Owner (CSPO) — Scrum Alliance, 2018

Microsoft — Support Escalation Engineering

Enterprise systems, cloud platforms, production troubleshooting