Matt Princev

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WORK EXPERIENCE

Rhize Manufacturing Data Hub   **Mar. 2024 – Jun. 2025**
Software Engineer   *Remote*

- Contributed to system optimization and automation efforts, collaborating with cross-functional teams to enhance performance and scalability. Worked closely with clients to ensure product demos aligned with business goals, supporting successful outcomes.
  - **Real-Time Data Ingestion:** Developed Python pipelines to publish Parquet records to NATS for real-time time-series ingestion.
  - **Full-Stack Integration POC:** Scaled a full-stack demo integrating external databases with React, JavaScript, JSONata, PostgreSQL, and GraphQL for visibility and tracking.
  - **Schema Conversion Automation:** Automated GraphQL schema conversion for database compatibility using Go, streamlining migration processes.
  - **Performance Benchmarking:** Benchmarked Python, JSONata, and CEL in a Rule Evaluation POC to identify the most efficient query processor.
  - **Client Collaboration:** Worked closely with clients from Fortune 500 companies to design and showcase product demos, ensuring alignment with business needs and driving successful outcomes.
  - **Stack:** Go; Python; React; GraphQL; PostgreSQL; JavaScript; Java

University of Minnesota ReUse Program   **Oct. 2021 – Aug. 2022**
IT Specialist   *Minneapolis, MN*

- **Hardware Issue Resolution:** Diagnosed, troubleshot, and resolved complex hardware issues across a range of computer equipment, ensuring optimal system performance and minimizing downtime. Provided technical support and implemented proactive maintenance strategies to enhance hardware longevity and reliability.
- **Specification Development:** Developed Python and Bash scripts to automate the collection and analysis of technical specifications for monitors and PCs, streamlining the process and reducing manual effort.

EDUCATION

University of Minnesota Twin Cities   **Sep. 2019 – Dec. 2023**
Bachelor of Arts, Computer Science   *Minneapolis, MN*
- **Accomplishments**: President's Emerging Scholars Program; Dean's List
- **Extracurriculars:** Video Game Development Club; Hackathon; Intramural Soccer Champion

PROJECTS

Personal Website   *JavaScript; CSS; HTML*
- Designed and developed a personal website to showcase a curated portfolio of projects, highlight key technical skills, and provide insight into my professional background and experiences.

Machine Learning-Enhanced Stock Monitoring   *Python; Grafana; InfluxDB; REST APIs*
- Developed a real-time stock monitoring system that ingests live market data via public APIs, normalizes it with Python, stores it in InfluxDB, and applies machine learning for predictive insights.

SKILLS & INTERESTS

- **Languages & Databases:** Python; JavaScript; TypeScript; Go; MySQL; PostgreSQL
- **Technologies & Tools:** React; Express.js; HTML; CSS; GraphQL; Git; Docker; Jira; Agile/Scrum
- **Multilingual:** Spanish (Fluent); Japanese (Conversational)