Jeremie Notebaert

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WORK EXPERIENCE

Samuel, Son & Co.   **Oakville, Ontario**
Enterprise Architect   May 2024 – Sep 2024

- <u>Implemented Monitoring System:</u> Set up a comprehensive monitoring system for warehouse machinery using Portainer and Docker to deploy InfluxDB, Telegraf, and Grafana. Telegraf connected to the company's MQTT broker, pushed data to an InfluxDB bucket, and sent it to Grafana. Designed customizable dashboards in Grafana displaying various machine metrics (pressure, temperature, etc.) for different customers. Configured alerts to notify when metrics exceeded predefined thresholds, enhancing preventive maintenance and operational efficiency.
- <u>Steel Material Verification:</u> Leveraged GPT-4o vision capabilities to automate the comparison of received steel material forms with purchase orders. This system ensured the steel vendor delivered the correct materials, leading to an annual savings of approximately $500,000 CAD by reducing discrepancies and material waste.
- <u>Shopify Integration:</u> Utilized Webhooks to connect the company's Shopify storefront with backend systems, streamlining order processing. Implemented a scheduler using Azure Functions to automate the pulling and pushing of order data via the Shopify API. This integration improved operational efficiency and ensured timely data flow for order management.
- <u>Legacy Systems API Development:</u> Developed a DLL wrapper API using C# and the .NET framework to interface with a legacy DLL file, facilitating internal production order management. This solution provided seamless integration with existing systems, enhanced functionality, and improved user experience for managing production orders.

Costco Wholesale   **Mississauga, Ontario**
Meat Department Team Lead   November 2021 – May 2023

- Led a team of 5 members in the Meat Department, ensuring smooth and efficient daily operations.
- Managed inventory levels, ordering supplies as needed to maintain optimal stock levels and minimize waste.
- Trained and mentored new team members, ensuring they understood department procedures, safety protocols, and customer service standards.
- Conducted regular quality checks on products to maintain freshness and meet Costco's high standards.
- Resolved customer inquiries and concerns promptly, ensuring a positive shopping experience and high customer satisfaction.
- Enforced food safety regulations and best practices to ensure compliance with health and safety standards.

EDUCATION

University of Waterloo, Bachelor of Mathematics – Applied Mathematics (BMath, Honours)   **Waterloo, Ontario**
Sep 2021 – Jan 2026

CERTIFICATIONS

Google IT Automation with Python Specialization – Coursera (ID: 2MJC7LC8BF2K)

- <u>The specialization includes</u> Working with Python, using Python to interact with OS, using Git & GitHub, Troubleshooting and Debugging Techniques, Configuration Management and the Cloud and Automating Real-World Tasks with Python.

ADDITIONAL SKILLS

Technical Hard Skills:

<u>Programming Languages:</u> | HTML + CSS + JavaScript | Rust | Python | C | BASH | Racket | GML | C# + .NET |
<u>Development Concepts:</u> | APIs | MQTT | Azure IoT | Azure DevOps | Docker | Containerization | Microservices |
<u>Proficient Programs:</u> | Microsoft Office Suite | Adobe Premiere Pro | Tinkercad | Portainer | InfluxDB | Grafana |
<u>Hands-on Skills:</u> Soldering, Hand and Power tools operation, 3D Modelling + Printing, Wrappers, Scanners, Pump Truck, Labelers, Compactors.

Soft Skills: Leadership, Team management, Communication, Problem-solving, Decision-making, Adaptability, Customer service, Time management, Conflict resolution, Attention to detail, Coaching and mentoring, Collaboration, Organization, Flexibility, Accountability.

Languages: English (Fluent Proficiency), French (Fluent Proficiency), Japanese (Elementary Proficiency).