MICHAELA SOYON LEE

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PROFESSIONAL SUMMARY

Full-stack developer with 2 years building and supporting enterprise logistics and payroll systems at Canada's largest retailer. Specialized in modernizing legacy infrastructure using .NET/C# backends and Vue.js frontends, with hands-on experience in cloud infrastructure, container orchestration, and production incident response. Track record automating manual workflows and building scalable solutions for supply chain operations supporting 30,000+ users.

TECHNICAL SKILLS

- **Core Technologies:** C#, .NET 6/8, ASP.NET Core, RESTful APIs, Microservices
- **Frontend Stack:** Vue.js, React.js, Next.js, HTML5/CSS3, Bootstrap
- **Backend & Data:** Node.js, Entity Framework , MSSQL Server, Oracle SQL, ETL (SSIS)
- **Cloud & Infrastructure:** Azure (AKS, ACR, DevOps), Docker, Kubernetes, Terraform, ArgoCD
- **DevOps:** CI/CD Pipelines, Git, GitOps, Infrastructure as Code (IaC), Azure DevOps, Jira

WORK EXPERIENCE

Programmer Analyst | Canadian Tire Corporation

Toronto, ON • January 2025 – Present

- Engineered a high-concurrency courier lookup system using ASP.NET Core Web API and Entity Framework Core, implementing asynchronous programming to reduce dispatch query response times and saving 15 staff-hours weekly
- Optimized a high-volume ETL pipeline (C#, SSIS) to ingest and validate 50,000+ monthly shipment records from external REST APIs, utilizing batch processing to maintain data integrity and performance
- Architected a centralized data warehouse by consolidating legacy MSSQL and Oracle systems, implementing optimized T-SQL queries and stored procedures that eliminated data silos across 60+ vendor integrations
- Maintained 99.5% SLA adherence for production logistics applications by performing root cause analysis on backend bottlenecks and deploying rapid hotfixes during bi-monthly on-call rotations

Programmer Analyst Intern | Canadian Tire Corporation

Toronto, ON • September 2023 – May 2024

- Rebuilt driver service hour tracking and payroll system (Vue.js, C#, MSSQL) processing bi-weekly pay calculations for 30,000 drivers across 60 vendor partnerships, reducing payroll processing errors by 23%

PROJECTS

AI-Powered YouTube Video Summarizer https://github.com/samtaitai/YouTube_summerizer

- Architected an Agentic AI Workflow: Engineered an autonomous Azure AI Agent using GPT-4o and function-calling tools to intelligently fetch and process YouTube transcripts via the Supadata API based on dynamic user intent
- Engineered Scalable Cloud Infrastructure: Deployed a Streamlit application to Azure App Service using Managed Identity for secure, passwordless authentication, orchestrating real-time thread management and streaming responses via GitHub Actions CI/CD

AI-Powered Document Processing System https://github.com/samtaitai/document_processor

- Architected serverless document analysis platform (Vue3, Node.js, Azure Functions) with queue-based processing, generating AI-powered summaries and keyword extraction for PDF/DOCX files via Gemini API;
- Deployed production infrastructure using Azure Static Web Apps, API Management, Blob Storage, and Queue Storage with CI/CD pipeline through GitHub Actions

EDUCATION

Advanced Diploma, Computer Programming & Analysis

Seneca Polytechnic • Toronto, ON • 2024

Bachelor of Arts, Business Administration

Sogang University • Seoul, South Korea • 2008