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 Framework/Core), JavaScript, TypeScript, SQL (T-SQL), Python
- **Frontend Stack:** Vue.js, React.js, Next.js, HTML5/CSS3, Bootstrap
- **Backend & Data:** Node.js, RESTful APIs, 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 courier availability lookup system (.NET/C#, Vue.js) that automated manual scheduling queries for 10+ courier partners, reducing dispatch team workload by 15 hours/week
- Developed ETL pipeline (C#, SSIS, Bash) integrating invoice and tracking data from multiple courier APIs, processing 50,000+ monthly shipment records
- Consolidated 3 legacy database systems (MSSQL, Oracle) into centralized data warehouse serving invoice and tracking data for AI processing pipeline, eliminating data silos across 60 vendor integrations
- Built automated email notification service (C#, .NET) distributing real-time trailer availability to 10 courier partners, eliminating manual daily scheduling communications and recovering 20 staff-hours weekly
- Participate in bi-monthly on-call rotation supporting production applications, responding to incidents with 99.5% SLA adherence through root cause analysis and rapid deployment fixes

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%
- Migrated and consolidated driver payroll data from disparate MSSQL and Oracle databases into unified schema, reducing query latency by 40% and enabling real-time payroll reporting for finance team
- Deployed applications through Azure DevOps CI/CD pipelines, managing release cycles and coordinating deployments across dev, staging, and production environments

PROJECTS

AI-Powered Document Processing System 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
- Engineered intelligent document classification system identifying content type, tone, and themes using Google Gemini's contextual analysis capabilities

EDUCATION

Advanced Diploma, Computer Programming & Analysis

Seneca Polytechnic • Toronto, ON • 2024

Bachelor of Arts, Business Administration

Sogang University • Seoul, South Korea • 2008