Kris Erickson

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Executive Summary

- 25+ years of building and modernizing enterprise SaaS and software platforms, with expertise in scalable, reliable, and maintainable systems.

- Helped architect and develop systems which processed millions of prints per year across 10+ countries; web + kiosk platforms handled ~$1B in annual sales at peak.

- Successfully managed, mentored, and grew high-performing development teams of up to 10 programmers. Championed adoption of modern development practices, including AI coding tools to accelerate delivery and code quality.

- Expert in modernizing and integrating legacy systems into scalable, maintainable platforms used by major retailers and high-volume consumer channels.

- Passionate about leveraging AI/ML and emerging technologies to deliver real-world products. Experienced in applying machine learning and automation to improve workflows and customer experiences.

Professional Experience

Director of Software Development | Storefront.com — Vancouver, BC | August 2020 – July 2025

- Owned end-to-end the Storefront Mobile Photo Upload and Payment app. A React app with a Node/TypeScript backend that allowed for uploading of Photos from a Phone via a BarCode which were then transferred to Photo Kiosks, as well as allowing for payment for kiosk purchases on your mobile device.

- Co-architected and helped to develop a distributed SaaS platform (PrintSuite) for customizable products and e-commerce integrations on Shopify, and other ecommerce platforms, leveraging microservices written in C# using an Event Driven Architecture with Solace Event Bus.

- Created and delivered a consumer-facing mobile application (PixMoments for FujiMexico and TelCel) in accelerated timelines, achieving widespread adoption (500,000 devices). Helped engineer solutions to allow for the load of thousands devices to interact with the Storefront Ecommerce backend.

- Managed and mentored teams of up to 10 developers; implemented structured career development paths, guiding early-career engineers into senior and leadership roles.

Team Lead / Senior Software Architect | Storefront.com — Vancouver, BC | January 2010 – July 2020

- Led the launch and architecture of a new Android-based Kiosk (mostly Hybrid app in Vue/TypeScript, with Java, Kotlin and C# Android services) that doubled engagement and revenue while improving security and user experience.

- Architected and implemented the **Storefront Remote Management** platform (initially in PHP, but migrated to C#) for centralized monitoring, remote access, scheduling, and automated error reporting for kiosks, lab software, and printers. Scaled to over 30,000 devices and sustained backend throughput of 12,000 requests per minute.
- Enhanced the Storefront E-Commerce platform and backend administrative tools, streamlining workflows, increasing adoption rates, and improving the customer experience.

Senior Software Developer | Storefront.com / Macdonald Harris and Associates — Vancouver, BC | December 1998 – December 2009

- Architected and developed the **Storefront E-Commerce Platform** (launched 2000; still operational after 25 years), powering photo product ordering for 10+ major retailers including Rite Aid, Costco Mexico, Fred Meyer, Smiths, Duane Reade, King Soopers, London Drugs, Benavides, and Dodd's Photo.
- Served as lead architect for the **Storefront Windows Photo Kiosk** (launched 2005), which processed millions of prints annually and drove over $1B in photo product sales by 2010.

Programmer | Canadian Forest Products (Canfor) — Vancouver, BC | Mar 1998 – Dec 1998

- Developed a Visual Basic system for importing, cataloging, and displaying Material Safety Data Sheets (MSDS), replacing a multi-binder paper process with a searchable digital platform accessible from terminals across all Canfor operations, improving compliance and retrieval times.

Programmer | TRIUMF — Vancouver, BC | May 1997 – Dec 1997

- Migrated legacy Oracle Forms from mainframe terminals to TRIUMF's intranet, enabling easier access and modernizing data workflows for researchers and administrative staff..

Technical Skills

- **Frontend:** TypeScript, JavaScript, React, Vue, Angular, HTML, CSS; complex build systems (Vite, Webpack, Rollup, Gulp), experience with websockets and PWAs.
- **Backend:** Node.js, C#, PHP, Python. Experience with message buses (particularly Solace) and EDA (Event Driven Architecture) as well as designing Rest APIs and GraphQL.
- **AI / Machine Learning:** Hugging Face Transformers, PyTorch, OpenCV, Scikit-learn, LangChain, LangGraph, n8n, ChromaDB, fine-tuning LLMs (through Lora/QLora), AI-assisted coding tools (GitHub Copilot, Cursor, Windsurf, Antigravity)
- **DevOps & Infrastructure:** Docker, Kubernetes, AWS, Azure, CI/CD (GitHub Actions, GitLab CI, Jenkins), Open-Auth (keycloak)
- **Mobile:** Android (Java, Kotlin, Jetpack Compose), iOS (Swift, SwiftUI), cross-platform (ReactNative, Flutter, Cordova)
- **Databases:** MySQL, PostgreSQL, SQLite, MongoDB, Redis.

Education

- **Langara College** — Vancouver, BC | 1995 – 1998 | Advanced Computer Studies and Technology Program (ACST)
- **University of Western Ontario** — London, ON | Graduated 1993 | Honours BA in English Literature