

SUMMARY

Engineering leader with an MBA and 20+ years of experience modernizing enterprise software across financial services, healthcare, SaaS, and AI-driven platforms. Proven record of building and leading engineering teams, delivering mission-critical cloud platforms, and driving measurable improvements in quality, reliability, and business outcomes. Experienced hiring, mentoring, and developing high-performing software engineers while partnering with executives and cross-functional stakeholders.

TECHNICAL SKILLS

**Programming Languages**
Python • Java • C++ • C# • TypeScript • JavaScript • SQL

**Cloud & Infrastructure**
AWS (Lambda, S3, SQS, EC2, SageMaker) • Kubernetes • Docker • Oracle • SQL Server • MySQL • MongoDB

**Software Architecture**
Enterprise Architecture • Distributed Systems • Microservices • REST APIs • Domain-Driven Design • Cloud-Native Systems • Platform Engineering

**Artificial Intelligence & Data**
Machine Learning • TensorFlow • PyTorch • Scikit-learn • Pandas • NumPy • Keras • AI-assisted Software Development • GitHub Copilot • Cursor

**DevOps & Engineering Excellence**
CI/CD • Git • Jenkins • Bitbucket • Jira • SonarQube • Datadog • Automated Testing • Code Reviews • Performance Engineering • Observability • Agile • Scrum • Terraform

EXPERIENCE

Senior Software Engineer

04/2026 - Present

[Fitch Ratings Canada](#)

Toronto, Ontario

- Led the modernization of a mission-critical compliance platform supporting analyst rotation decisions across Fitch Ratings and regulatory compliance for 1,600+ analysts and 80,000+ ratable entities
- Replaced hard-coded Python logic with 200+ YAML rules, reducing future change effort and enabling business users to evolve compliance policies without major code changes
- Cut weekly batch runtime by 67% (4.5 hours to 1.5 hours), improving compliance processing and operational efficiency
- Implemented AWS DLQ handling, increased unit test coverage from 5% to 95%, resolved SonarQube issues, and introduced Datadog tracing to improve reliability and observability
- Technologies: Python, Oracle, AWS, Kubernetes, GitHub Copilot, Datadog, SonarQube, Git, Jira, Confluence

EXPERIENCE

Team Lead

07/2025 - 04/2026

Care1 Inc

Oakville, Ontario

- Led and grew the engineering team from 4 to 9 developers while introducing Scrum, mandatory code reviews, and automated testing that reached 90%+ coverage
- Provided technical leadership for a cloud-native medical imaging platform connecting optometry clinics with ophthalmologists through automated DICOM image processing
- Co-architected an event-driven AWS platform using S3, SQS, Lambda, and EC2 to automate image ingestion, processing, and storage
- Delivered the MVP into production for two pilot clinics and partnered with product and clinical stakeholders to translate workflows into scalable software
- Mentored engineers on the team, conducted performance improvement plans and recommended promotions
- Technologies: Python, Django, React, TypeScript, Docker, MongoDB, MySQL, AWS, Bitbucket

Founder & AI Systems Architect

07/2021 - 06/2025

Proprietary Algorithmic Trading Platform

Oakville, Ontario

- Designed and built an autonomous AI-driven algorithmic trading platform from the ground up to identify, evaluate, and execute swing trades without human intervention
- Architected an end-to-end Python platform of roughly 10,000 lines covering market analysis, trade execution, portfolio management, and performance monitoring
- Designed three machine learning models to identify opportunities, evaluate market conditions, and improve decisions using historical performance
- Built a self-tuning trading engine with automated execution and risk controls, enabling rapid experimentation with new indicators and strategies
- Technologies: Python, Machine Learning, TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Keras, MySQL, Git

Technical Manager, Software Development

10/2020 - 07/2021

Clickatell

Toronto, Ontario

- Built and led a new Toronto engineering team of 9 developers responsible for a mission-critical SMS payment platform while coordinating knowledge transfer from globally distributed teams
- Recruited and onboarded nine developers to establish the new Toronto organization and assume ownership of the platform
- Introduced engineering practices including code reviews, automated testing, and Agile delivery standards
- Partnered with Customer Support, Product, and SMEs to maintain continuity during the transition and build a high-performing culture
- Technologies: Java, Spring Boot, JUnit, MySQL, AWS, Hibernate, IntelliJ IDEA, Kubernetes, Git, Jira, Confluence

Team Lead, Software Development

05/2019 - 10/2020

UNIVERIS

Toronto, Ontario

- Led the company's highest-performing engineering team consisting of 5 developers while delivering a large-scale modernization initiative for a legacy wealth management platform
- Directed delivery of 90+ production REST APIs to modernize enterprise wealth management capabilities
- Established pull requests, coding standards, integration testing, and continuous improvement practices across the team
- Partnered with Architecture, Product, Customer Support, and business stakeholders to balance modernization, technical debt, and feature delivery
- Technologies: Java, Spring Boot, Spring Cloud Contract, DB Rider, JUnit, MS SQL, Postgres, AWS, Enterprise Architect, Hibernate, Mybatis, IntelliJ IDEA, JBOSS, Tomcat, Bamboo, Bitbucket, Git, SVN, Fisheye, Nexus, SonarQube, Maven, New Relic, Jira, Confluence

EXPERIENCE

Team Lead, Java Development 07/2017 - 05/2019

[MoneyKey](#)

Toronto, Ontario

- Grew the team from 2 to 7 developers and established a collaborative, high-performance engineering culture
- Led the modernization MoneyKey's enterprise Loan Management System while enabling business expansion
- Improved software stability, maintainability, onboarding speed, and delivery velocity
- Introduced Agile delivery, code reviews, automated testing, CI, static analysis, and performance profiling to raise software quality
- Technologies: Java, Hibernate, MySQL, Jenkins, AWS, Git, Jira, Confluence

Software Development Manager

04/2016 - 03/2017

[Royal Bank of Canada](#)

Toronto, Ontario

- Managed and mentored a team of 5 developers while aligning quantitative analysts, traders, architects, and executives around the technical roadmap
- Led a software engineering team modernizing a mission-critical quantitative risk platform used by traders across the organization
- Reduced execution time from 6.5 hours to 3 hours, restoring SLA compliance and improving decision support before market open
- Delivered a complex performance engineering initiative under aggressive timelines
- Technologies: C++, Java, Python, Microsoft SQL Server, Jenkins, AppDynamics, Robot Framework

Lead Web Developer

05/2015 - 04/2016

[OrthoEvidence](#)

Burlington, Ontario

- Led a team of 3 developers in the delivery of a digital modernization initiative that transformed OrthoEvidence's online research platform and improved the customer experience
- Directed a multidisciplinary team through a full platform modernization that improved navigation, responsiveness, and usability
- Partnered directly with the CEO, COO, UX specialists, and medical writers to align business goals with technical execution
- Delivered the initiative on schedule and within budget using C#, .NET, MVC, Azure, SQL Server, JavaScript, Bootstrap, and Solr
- Technologies: C#, .NET, MVC, Azure, MS SQL Server, JavaScript, Bootstrap, Solr

Senior Software Engineer

2001 - 2015

[Xilinx Inc](#)

Toronto, Ontario

- Built deep enterprise software expertise while contributing to globally distributed teams delivering high-performance software for semiconductor customers worldwide
- Collaborated with teams across North America, Europe, and Asia while delivering complex enterprise software in an international environment
- Improved application performance by 28% and supported customer escalations, technical interviews, and mentoring across multiple offices
- Technologies: C++, Java, Distributed Systems, Enterprise Software, Performance Engineering

EDUCATION

MBA, Finance

2013 - 2017

[McMaster University, DeGroote School of Business](#)

Burlington, ON

BASc, Electrical Engineering

1996 - 2001

[University of Waterloo](#)

Waterloo, ON