

Luis Soto Fernandez

Tech Lead | Engineering Manager | Technical Instructor | Consultant

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Technology leader with 29+ years of hands-on experience and a proven record of managing multidisciplinary teams, driving software delivery from architecture to production, and transferring knowledge across organizations. Founded and ran a 15-person technology company (ISS) for 9 years — 5 programmers, 5 graphic designers, 4 landscape architects, 1 sales — full P&L responsibility. Directed 15 programmers across 11 concurrent Disney/MVM titles. Deep technical depth in .NET/C#, Angular, React, SQL, and cloud platforms — teaches and leads from real production experience, not theory. Bilingual French/English. Available on-site in Montreal.

LEADERSHIP & MANAGEMENT PROFILE

Leadership / Technical Competency	Yrs	Context
Company founder & CEO — full P&L, hiring, client relations, delivery	9 yrs	In Situ Simulation (ISS): 15-person multidisciplinary tech company (2002–2011)
Director of Programming — team of 15 programmers, 11 concurrent titles	5 yrs	My Virtual Mannequin / Disney (1996–2001)
Technical architecture & design leadership	16+	Bell, Desjardins, BDC, Sidel, ACI, Keolis, Traffic Tech, Raymond Chabot
Cross-functional team leadership: developers, designers, architects, sales	9 yrs	ISS — managed non-technical stakeholders alongside engineering team
Code review, mentoring, and knowledge transfer	14+	All senior consulting engagements
Agile / Scrum and Kanban facilitation	10+	Desjardins, BDC, Croesus, Sidel, ACI, Raymond Chabot, Alithya, Keolis
Technical coaching: .NET/C#, Angular, React, SQL, design patterns, CI/CD	10+	Transferable to classroom, bootcamp, or corporate training settings
AI / LLM integration coaching (Gemini, Claude, Ollama, GitHub Copilot)	3	Tarot-7, Croesus, BDC

TECHNICAL DEPTH

Domain	Yrs	Production Proof
.NET / C# (Core, MVC, WebApi, Entity Framework, Dapper, WCF, SOAP)	14	Bell, Desjardins, BDC, Croesus, La Vie en Rose, Sidel, ACI, Raymond Chabot, Keolis, Alithya, Technicost
Angular (v1.5 → v19), React / Redux, TypeScript, JavaScript ES6	10	Croesus, Desjardins, La Vie en Rose, Sidel, Tarot-7, Bell, Traffic Tech, Alithya
SQL (MS SQL, Oracle, PostgreSQL), ORM (EF Core, Dapper, LINQ)	14	Bell, Desjardins, BDC, La Vie en Rose, Sidel, ACI, Raymond Chabot, Technicost

Domain	Yrs	Production Proof
Multithreading, concurrency, performance optimization	10+	Desjardins (EOM Dashboard, GPRD), In Situ Simulation (real-time 3D engine)
OOP & Design Patterns (Repository, Factory, CQRS, Strategy, Observer)	14+	All engagements — used as teaching framework throughout career
Azure DevOps CI/CD, Docker, Git, unit testing (TDD/BDD)	10+	Bell, Desjardins, BDC, Croesus, Sidel, ACI, La Vie en Rose
Cloud: Azure Functions, Firebase / GCP serverless, OAuth2 / OpenID Connect / JWT	7	Bell, Raymond Chabot, Tarot-7
C++ / OpenGL / DirectX / real-time 3D — game engines, simulation	10	Disney (11 PC/Mac titles), ISS (real-time 3D modelling platform)

PROFESSIONAL EXPERIENCE

In Situ Simulation (ISS) — Founder & CEO *Founder & CEO / Lead Developer* Montreal | Mar 2002 – Jan 2011

ISS Foresight: application for creating real-time 3D virtual models for land use planning projects.

- Founded and ran a 15-person multidisciplinary technology company for 9 years: 5 programmers, 5 graphic designers, 4 landscape architects, 1 sales — full P&L responsibility
- Architected and built the ISS Foresight real-time 3D rendering engine from scratch — C++, C#, OpenGL, multithreading
- Applied advanced OOP and design patterns for the real-time 3D rendering engine

Stack: C++ · C# · SQL · OpenGL · Multithreading

My Virtual Mannequin / Disney *Lead C++ Programmer & Director of Programming* Montreal | Jun 1996 – Nov 2001

11 PC/Mac titles: Cinderella's Dollhouse, Atlantis the Lost Empire, Cosmopolitan Virtual Model, and others.

- Directed a team of 15 programmers across 11 concurrent PC/Mac titles
- Lead architect on all game engines — C++, DirectX, Lingo — OOP design patterns throughout

Croesus Finansoft Inc. *Senior Full Stack Analyst-Programmer (Contract)* Montreal | May 2025 – Jul 2025

Expert: Web application solution for portfolio management.

- Angular v19, TypeScript, RxJs, and C# programming within a microservices architecture (AWS)
- Code review participation; applied Repository and CQRS patterns for maintainable architecture
- Containerized backend services with Docker; participated in Azure DevOps CI/CD pipelines

Stack: C# · .NET Core · PostgreSQL · Angular 19 · TypeScript · RxJs · Docker · AWS · Azure DevOps

BDC – Business Development Bank of Canada *Senior Full Stack Analyst-Programmer (Contract)* Montreal | Jun 2024 – Feb 2025

ReClick: Loan management platform for Canadian entrepreneurs.

- Designed architecture and mentored team on Factory and Repository patterns for scalable modules
- Contributed to Agile/Scrum sprint cadence; wrote unit tests; C#, Java, Mendix, SQL, Docker

Desjardins Bank *Senior Full Stack Analyst-Programmer (Contract)* Montreal | Jan 2022 – May 2024

Multiple projects: Compliance, Disnat brokerage, CMS migration, VMD Conseils, Espace Courtoise.

- Architected React + Redux migration strategy from legacy AngularJS; led knowledge transfer to the team
- Mentored developers on CQRS, Repository, Observer patterns; conducted code reviews under Kanban / Agile
- Earlier engagement (Jun 2014 – Feb 2015): WCF, multithreading, Oracle, MVC4 — EOM Dashboard, GPRD

Stack: C# · .NET · Angular (v13) · React · Redux · TypeScript · WCF · SQL · Oracle · Azure DevOps

Bell Canada *Senior Full Stack Analyst-Programmer (Contract)* Montreal | Jan 2020 – Jan 2022

Libra (resource forecasting) and RTC (technical work tracking).

- Sole architect and lead developer: designed backend architecture, REST services, Azure Functions, Active Directory integration
- Identified and refactored underperforming SQL queries and C# services; improved application response time

Stack: C# · .NET Core · WebApi · SQL · Dapper · Azure Functions · JavaScript ES6 · Azure DevOps

Tarot-7.com *Founder / Lead Developer (Own platform)* Montreal | 2019 – Present

Tarot-7 v5: Web, mobile, and PWA application for tarot readings and content generation.

- Solo architect and full stack developer: React, TypeScript, Framework7, C#, Firebase / GCP, CI/CD
- Integrated AI/LLM features (Gemini, Claude, Ollama, GitHub Copilot); OAuth2 / OpenID Connect / JWT

EARLIER CONSULTING ENGAGEMENTS (2011–2019)

All engagements as Senior Full Stack Analyst-Programmer (Contract) — architect and lead developer role on most mandates.

- La Vie En Rose (2019): full stack architecture — .NET Core C#, Angular, Entity Framework, Azure Functions
- Sidel (2018–2019): REST architecture for 24/7 remote control of industrial robot systems — C#, Angular, SQL
- CCQ (2018): legacy reverse engineering and cloud migration to Azure — C#, ASP.NET, VB.NET
- ACI – Airports Council International (2017): MVC4 REST services, data analytics backend — C#, SQL, Kendo
- Raymond Chabot Grant Thornton (2016): Azure Vault secret management, OAuth2, Azure Functions — C#, AngularJS
- 20-20 Technologies / IKEA (2016): IKEA Planner 3D web application — JavaScript, CSS, HTML
- Keolis / Orléans Express (2015): ticketing web/mobile apps, QR code module, reporting — C#, AngularJS
- Traffic Tech (2015): real-time freight quote platform, SOAP services — C#, AngularJS
- Alithya (2013–2014): CPresto and QuizMan — C# WebApi, Entity Framework, PhoneGap, AngularJS
- Technicost / Canadian Credit Union (2011–2013): QuickQuote and Personal Balance Sheet — C#, WebApi, SQL, Telerik

EDUCATION

College Diploma — Management Information Systems | Polytechnic of Valparaíso, Chile

Complemented by 29+ years of continuous professional practice — 16+ software products shipped to market.