

# Luis Soto Fernandez

## Senior Frontend Developer | Angular · React · TypeScript | Consultant

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Senior Frontend consultant with 10+ years of JavaScript / TypeScript experience and a track record of delivering production Angular and React applications for major organizations: Desjardins (Angular v13, React/Redux migration), Croesus (Angular v19), La Vie En Rose (Angular v8), Sidel (Angular v7), and IKEA (3D web planner used in stores worldwide). Hands-on across the full Angular version history (v1.5 → v19). Strong backend fluency in .NET/C# enables autonomous full-stack delivery when needed. Fluent English & French. Available on-site in Montreal.

## TECHNICAL SKILLS

Core Competency	Yrs	Representative Clients / Projects
Angular (v1.5 → v19), AngularJS, RxJs, NgRx, TypeScript	6	Croesus (v19), Desjardins (v13, v1.5/v1.8), La Vie en Rose (v8), Sidel (v7), Alithya, Traffic Tech
React / Redux, state management, component architecture	3	Desjardins (Compliance & CMS migration), Tarot-7
JavaScript ES6, TypeScript — modern tooling (Webpack, Gulp, Grunt, NPM)	10	Bell, Desjardins, Croesus, La Vie en Rose, Sidel, ACI, Raymond Chabot, Keolis, Traffic Tech
CSS, HTML5, Bootstrap, responsive design, UI/UX	10+	All engagements — user-facing interfaces throughout
Mobile / PWA (Framework7, PhoneGap / Cordova, Firebase)	4	Tarot-7 (PWA), Alithya (PhoneGap), Sidel (mobile), Keolis (mobile ticketing)
Node.js, Firebase Serverless (GCP), CI/CD pipelines	5+	Tarot-7, Desjardins
Azure DevOps (CI/CD, pipelines), Git, GitHub	10+	Bell, Desjardins, BDC, Croesus, Sidel, ACI, La Vie en Rose
OOP & Design Patterns (CQRS, Repository, Observer, Factory) — frontend architecture	10+	Desjardins, Croesus, ACI, Keolis, Tarot-7
Backend: .NET / C#, REST WebApi, SQL — sufficient for full-stack autonomy	14	Bell, Desjardins, BDC, La Vie en Rose, ACI, Raymond Chabot
AI / LLM integrations (Gemini, Claude, Ollama, GitHub Copilot)	3	Tarot-7, Croesus, BDC

## PROFESSIONAL EXPERIENCE

**Tarot-7.com** Senior Full Stack Analyst-Programmer (Own platform) Montreal | 2019 – Present

Tarot-7 v5: Web, mobile, and PWA application for tarot readings and content generation, developed and maintained in continuous evolution.

- Designed the complete platform architecture: frontend (React, TypeScript, Framework7), serverless backend (C#, .NET, Firebase / GCP), CI/CD pipelines
- Implemented OAuth2 / OpenID Connect (Google Sign-In) with JWT token management — architecture comparable to Auth0 identity platform
- Integrated AI/LLM features: Gemini, Claude, Ollama, GitHub Copilot — serverless backend

- Deployed and managed full backend infrastructure on GCP (Firebase Firestore, Firebase Serverless Functions, Gemini AI API, Cloud Notifications)
- Built internal content generation tools (C#, .NET, Ollama)
- Set up CI/CD pipelines for cloud deployment of serverless functions and web applications (HUGO)

**Stack:** JavaScript · TypeScript · React · CSS · HTML5 · Framework7 · C# · Firebase Serverless · Node.js · GCP · GitHub

**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)
- Applied Repository and CQRS patterns for maintainable, testable service layer
- Containerized backend services with Docker; participated in Azure DevOps CI/CD pipelines
- Wrote and maintained unit tests integrated into the build pipeline

**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: Web application for managing and planning loans to Canadian entrepreneurs.*

- Designed and developed new features across backend (C#, Java, Mendix) and database (SQL, Docker)
- Applied Factory and Repository patterns for scalable, independently deployable modules
- Wrote unit tests; contributed to Agile/Scrum sprint cadence

**Stack:** C# · Java · Mendix · SQL · Docker · Azure DevOps

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

*Compliance, Cookies, Disnat (online brokerage), Migration, CMS Disnat, VMD Conseils, Microsite CMS, Espace Courtaage.*

- Led design and implementation of React + Redux architecture to migrate a legacy AngularJS application to a modern stack
- Developed React components and Redux state management; applied CQRS, Repository, Observer design patterns on the frontend
- Developed frontend features in Angular v13; .NET backend services and REST integrations
- Participated in Azure DevOps CI/CD pipelines; wrote unit tests for Angular components and C# services
- Earlier engagement (Jun 2014 – Feb 2015): AngularJS (v1.5/v1.8), JavaScript, Razor, CSS — EOM Dashboard, GPRD, LogUserSession

**Frontend:** Angular (v13) · React · Redux · TypeScript · AngularJS (v1.5/v1.8) · NgRx · CSS · HTML · Bootstrap

**Backend:** C# · .NET · MVC5 · Razor · Entity Framework · WCF · SQL · Oracle · Azure DevOps

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

*Libra: resource forecasting app. RTC: technical work tracking app.*

- Designed and built the full backend architecture: .NET Core C# WebApi services + SQL (Dapper)
- Active Directory integration in C# for group and user-rights management
- Developed Azure Functions (HTTP Trigger) for backend processing and SQL task automation
- Identified and refactored underperforming SQL queries and C# services; improved application response time
- Applied Repository and Strategy patterns throughout backend services

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

**La Vie En Rose** *Senior Full Stack Analyst-Programmer (Contract)* Montreal | Sep 2019 – Jan 2020

*LVER Data Importer: product and employee data migration. Web Return Orders: online and in-store purchase returns.*

- Full stack design, architecture, and development: .NET Core C#, Angular, Entity Framework, WebApi, SQL

- Developed Azure Functions (HTTP Trigger) for backend processing and SQL tasks

**Stack:** C# · .NET Core · Angular · Entity Framework · WebApi · SQL · Azure DevOps

**Sidel** *Senior Full Stack Analyst-Programmer (Contract)* Montreal | Oct 2018 – Apr 2019

*EIT (Efficiency Improvement Tool): Web and mobile application for 24/7 remote control of food production robot systems.*

- Designed REST service architecture for 24/7 remote control of food production robot systems
- Refactored underperforming backend modules; applied OOP design patterns for scalable service layer

**Stack:** C# · .NET Core · MVC5 · Razor · SQL · Angular (v7) · JavaScript · jQuery · Kendo · Azure DevOps

**20-20 Technologies / IKEA** *Senior Full Stack Analyst-Programmer (Contract)* Montreal | Jan 2016 – Mar 2016

- IKEA Planner: 3D web application used in IKEA stores worldwide for kitchen and bedroom design
- JavaScript, CSS, and HTML programming and bug fixing for the Japanese market

**ACI – Airports Council International** *Senior Full Stack Analyst-Programmer (Contract)* Montreal | Jun 2017 – Dec 2017

- MVC4 REST service architecture; modular data-analytics backend with OOP design patterns — Aerostats platform
- C# · SQL (Dapper) · JavaScript · jQuery · Kendo · Bootstrap — full stack development

**Raymond Chabot Grant Thornton** *Senior Full Stack Analyst-Programmer (Contract)* Montreal | Aug 2016 – Dec 2016

*E-Accounting Online: financial statements and invoice management platform.*

- Architected and developed mobile receipt-import module (C#, Entity Framework, WebApi, Azure Functions)
- Implemented secure secret management via Azure Vault (API keys, passwords, DB credentials)
- OAuth2 / OpenID Connect authentication and authorization layer

**Stack:** C# · Entity Framework · SQL · Azure Functions · WebApi · AngularJS · Azure DevOps

**Keolis / Orléans Express** *Senior Full Stack Analyst-Programmer (Contract)* Montreal | Aug 2015 – Dec 2015

- Online ticketing and ticketing management web/mobile applications — QR code module, reporting module for ticket sales data analysis
- C# · Entity Framework · SQL · JavaScript · AngularJS · Bootstrap — full stack development

**Traffic Tech** *Senior Full Stack Analyst-Programmer (Contract)* Montreal | Mar 2015 – Jun 2015

- TTSLs: Web application for Canadian freight brokers with real-time quotes — real-time quote module, SOAP services
- C# · SOAP · XML backend + JavaScript · AngularJS · Bootstrap frontend

**Alithya (IT Consulting)** *Senior Full Stack Analyst-Programmer (Contract)* Montreal | Jun 2013 – Jun 2014

- CPresto and QuizMan: full stack design, architecture, and development — C# WebApi, Entity Framework, SQL, PhoneGap, AngularJS

**Technicost / Canadian Credit Union** *Senior Full Stack Analyst-Programmer (Contract)* Montreal | Mar 2011 – May 2013

- Personal Balance Sheet and QuickQuote: C#, WebApi, Entity Framework, SQL, Telerik, JavaScript

**In Situ Simulation (ISS) — Founder & CEO** *Founder, Lead Developer & Manager* 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

## EDUCATION

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

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