

# ALEXEI FIMINE

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**Full-Stack Developer | AI Engineer | Front-End Developer | Backend Developer | Solutions Architect | Application Architect | System Designer | IT Consultant | Integration Consultant | Development Lead**

Vankleek Hill, ON

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## EDUCATION

### **Bachelor of Commerce (Majors and Honours)**

McGill University, Montreal, Canada

- Major: Management Information Systems (Systems Analysis and Design)
- Concentration: Marketing

**Languages:** English, French, Russian

**Certifications** Held Secret Security access level with Canadian Government (needs reconfirming for new projects)

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Type of employment sought:

- Contractual full-time or part-time.
- Will consider permanent position with caution.
- Startups welcome if serious

Industries worked in:

- Finance, Insurance, Automotive, Aerospace, Construction, Information Technology, Pharmaceutical, Broadcasting, Logistics, Retail, E-Commerce, Energy, Banking, Publishing, Manufacturing, Wholesale Distribution, Transportation, Fintech, Media, Utilities, Government

Locations worked at:

- Canada,
- USA

Companies worked for:

PSP Investments, 2020 Design, AGF Solutions, CBC (Canada Broadcasting Corporation), SaunaSpa.ca, Pollard Banknote Limited, SGI Saskatchewan Government Insurance, Discovery Channel, Warner Brothers, 2020 Technologies, Garda World, R3D, Kéolis, TC-Media, CGI (Infrastructure Canada), Lionbridge, Commission de la Construction du Québec (CCQ), Hydro Quebec, Fujitsu Consulting, AeroMAG via OS4 Techno, Pfizer, SNC-Lavalin, Future Electronics

## TECHNICAL SKILLS

### Software Development and General IT Skills:

- **Frontend:** AngularJS, Angular, React, Vite, Next.js, Tailwind CSS, shadcn/ui, Stencil.js, Bootstrap, jQuery, Webpack, Gulp, Angular CLI, Jest/Enzyme, Babel, PWA, CSS, HTML, XML, JavaScript, ES6, ES7, TypeScript, Razor, MUI (Material UI), Chakra UI, PrimeReact.
  - **Backend:** .NET Framework, .NET Core, ASP.NET, Windows Forms, Console Apps, C#, VB.NET, Visual Basic 6, VBA, C++, Java, Node.js, WCF, WPF, Node.
  - **Databases:** SQL Server, MySQL, Azure SQL Database, SQLite, T-SQL, PL/SQL, SSRS, DTS, ETL, SSIS, NoSQL, DocumentDB, Cosmos DB, MongoDB, Oracle.
  - **Architecture:** MERN, LAMP, Microservices, N-tier architecture, MVC, Web APIs, MVVM, Razor, REST, WCF, SOA, Parallel Programming (TPL), Asynchronous Programming, Multithreading, Multi-layer architecture, Event Sourcing.
  - **DevOps & Tools:** Git, GitHub, Bitbucket, TFS, Jira, TeamCity, Jenkins, Docker, Kubernetes, Rancher, CI/CD, PowerShell, Azure DevOps, GitHub Actions, Visual Studio.
  - **Cloud:** Microsoft Azure, AWS, NextCloud
  - **Other:** Azure WebJobs, OpenAI API, Figma, Microsoft Teams, AppFabric, Nginx, Apache, IIS, Windows Server, NUnit, Entity Framework, LINQ, EF Migrations, Agile SCRUM, RAD, SaaS, IaaS, Active Directory, Exchange, COBOL 85, Orchard CMS, Nop Commerce, WordPress, Salesforce APEX, Telerik, Infragistics.
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## CORE COMPETENCIES

- IT Strategy & Technology Advisory
  - Enterprise & Solution Architecture
  - Full-Stack Application Development
  - Front-End Development & UI/UX Design
  - Cloud Migration & Modernization
  - Microservices & API Design
  - Systems Analysis & Requirements Engineering
  - Database Design & Data Modeling
  - Systems Integration & Legacy Modernization
  - DevOps & CI/CD Implementation
  - Performance Optimization & Scalability
  - Technical Leadership & Mentoring
  - Agile & SCRUM Methodologies
  - Production Support & Incident Management
  - Troubleshooting & Root Cause Analysis
  - System Debugging & Performance Diagnostics
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## PROFESSIONAL EXPERIENCE

### Fractional CTO / AI Consultant & Integrator

**SaunaSpa.ca** — Montreal, QC *September 2023 – Current*

**Engagement Type:** Part-time, fractional leadership role, on-site and remote

**Project:** Rapidly growing consumer business requiring pragmatic technology leadership without premature scaling or unnecessary spend.

**Mandate:** Provide senior-level technology leadership to align systems, tooling, and architecture with business growth, operational efficiency, and e-commerce expansion.

**Impact:**

- Defined a technology development plan aligned with business growth and operational goals.
- Prevented unnecessary expenses while enabling scalable e-commerce and automation.
- Improved internal efficiency through targeted automation and selective AI adoption.
- Strengthened technical decision-making across vendors, platforms, and tools.
- Owned high-level technology and architecture decisions during company growth phase.
- Translated business requirements into concrete technical choices and implementation plans.
- Led e-commerce decisions with focus on performance both technical and commercial.
- Selected, evaluated, and coordinated IT services suppliers and vendors (developers, designers, SEO specialists etc).
- Reviewed technical work delivered by subcontractors to ensure quality and alignment with business goals.
- Designed and integrated an AI-powered chatbot to support customer interactions and internal workflows.
- Advised on practical AI use cases, focusing on ROI
- Coached internal staff on responsible and effective use of new technologies and AI productivity tools.

**Environment:** PaaS, SaaS, WordPress, React, TypeScript, Tailwind CSS, Node.js, Vite, SQLite, Git, OpenAI API, E-commerce platforms, OpenAI API, Claude AI API

**Solutions Architect, Full Stack Application Architect, Systems Analyst**

**Pollard Banknote Limited** — Winnipeg, MB *December 2024 – December 2025*

**Engagement Type:** Full-time, on-site and remote

**Project:** Transformation of the MIS department from desktop-based legacy computing to cloud-based, integrated systems across layers (infrastructure through application architecture).

**Mandate:** Modernize the entire application and infrastructure stack to a cloud-based solution while ensuring business continuity and knowledge transfer to internal teams.

**Impact:**

- The department now has a complete production ready cloud-based stack with developed application running. The team is now 2026-ready in terms of technology and practices.
- Modernized application and solution stack for proprietary business and production software.
- Conducted systems analysis, architecture, development, deployment, and production support.
- Designed new components for UI/UX and backend.
- Developed CI/CD flows using GitHub Actions.
- Collaborated with solution architects.
- Administered cross-functional collaboration.
- Coached team members on architecture, technology stack and development techniques.

**Environment:** React (Hooks), TypeScript, Microservices, REST APIs, MUI (Material UI), Azure, C#, MySQL, Git, AWS, Alpine Linux, Nginx, Docker, Kubernetes, Rancher, Figma, Jira, Legacy Windows systems (WPF, DLLs, etc.)

### **IT Consultant - Full Stack Developer**

**SGI Saskatchewan Government Insurance** — Regina, SK *June 2023 – November 2024*

**Engagement Type:** Full-time, remote

**Project:** Development of a new public-facing CRM for large-scale automotive insurance management.

**Mandate:** Improve, optimize and modernize the existing solution to enhance user experience, performance, and maintainability.

- Developed and deployed proprietary account management systems.
- Designed application components and architecture across all layers.
- Fixed production issues and coached team members.
- Participated in daily scrums and collaborated with stakeholders.

**Environment:** React (Hooks), TypeScript, Microservices, REST APIs, Jest, Chakra UI, Azure, .NET, C#, Cosmos DB, Event Sourcing, Git, Figma, Azure DevOps (VSTS), Microsoft Teams

### **IT Consultant - Front-End UI Developer**

**Discovery Channel / Warner Brothers** — Nashville, TN *August 2021 – May 2023*

**Engagement Type:** Full-time, remote

**Project:** Development of a proprietary operations management system to streamline broadcast content production.

**Impact:**

- Significantly optimized existing code base resulting in efficiency and content turnaround times.

- Analyzed and improved existing front-end codebase.
- Designed and developed UI app components and proprietary UI library components.
- Promoted solutions through CI/CD pipelines using Jenkins.
- Participated in daily scrums and collaborated with product owners and UI/UX teams.

**Environment:** AWS, Node.js, Manjaro Linux, Microservices, Angular 13, AngularJS, Stencil.js, TypeScript, Webpack, GitHub, Jenkins, Jira

### **IT Consultant - Full-Stack Developer**

**PSP Investments** — Montreal, QC *November 2020 – May 2021*

**Engagement Type:** Full-time, remote

**Project:** Public-facing portfolio management system development.

- Developed and supported proprietary UI front-end frameworks.
- Focused on full-stack development with a UI/UX emphasis.
- Worked closely with the PM and product owner in Agile environment to develop and release features.
- Focused on optimizations and evergreening of the existing solution.

**Environment:** Angular, C#, .NET, Web API, Microservices, SQL, Azure DevOps, Kubernetes

### **Solution Architect / Full-Stack Developer**

**2020 Design** — Laval, QC *January 2018 – August 2020*

**Engagement Type:** Full-time, on-site and remote

**Project:** Online customer portal and e-commerce enabling sales and license subscription management for the company's software products.

**Mandate:** Reengineer and modernize the existing e-commerce solution to improve user experience, performance, and maintainability while integrating with corporate systems (SalesForce).

#### **Impact:**

- Brought a new public facing e-commerce solution to production release.
- Reengineered the front-end UI/UX components of an e-commerce solution.
- Designed and developed UI forms, dashboards, and web components.
- Collaborated with finance and marketing departments.
- Worked closely with the product owner and stakeholders to gather requirements and deliver features
- Teamed up with web designers and backend developers to implement full-stack features.
- Collaborated with Salesforce developers to integrate with corporate CRM systems.

**Environment:** React, ES7, Babel, Jest/Enzyme, Angular 5, PrimeReact, Bootstrap, ASP.NET, C#, .NET, SQL Server, Salesforce APEX

## **Fractional Infrastructure Solutions Architect**

**AGF Solutions** — Saint-Lazare, QC *July 2017 – December 2022*

**Engagement Type:** Full-time, on-site and remote

**Project:** Enterprise-grade private cloud and network-attached storage solution for small business operations.

### **Impact:**

- Solved the client's data sovereignty, information accessibility and access flexibility while managing costs effectively.
- Designed and built a complete on-premises cloud infrastructure using Dell Precision T5500 server (Dual Xeon, 96GB RAM, 8TB RAID WD Red, 1TB Crucial SSD, UPS, Dual 1Gbit Nic with isolated internal and WAN traffic).
- Deployed Windows Server for internal file sharing and Active Directory integration.
- Virtualized Linux Mint environment under Oracle VirtualBox hosting Nextcloud for web-accessible cloud storage.
- Configured HTTPS, DNS registration, and secure external access with device synchronization.
- Implemented multi-layered security architecture: router-level firewall and Windows Server firewall policies, balancing accessibility and usability with comprehensive threat protection.
- Implemented comprehensive automated backup strategy for user data as well as the system: scheduled incremental backups and parallel mirror backups using cron jobs and Windows Task Scheduler.
- Maintained continuous operation for 8+ years with regular updates and zero downtime incidents.
- Achieved exceptional ROI through cost savings vs. commercial cloud solutions.

**Environment:** Windows Server, Linux Mint, Oracle VirtualBox, Nextcloud, RAID, DNS, HTTPS, Cron, Task Scheduler, Dell Precision hardware, MS Active Directory

## **Full-Stack Solutions Architect and Developer**

**CBC (Canada Broadcasting Corporation)** — Montreal, QC *July 2017 – January 2018*

**Engagement Type:** Full-time, on-site and remote

**Project:** Development of a web-based broadcast production portal interfacing with remotely controlled A/V equipment around the world.

### **Impact:**

- Successfully integrated proprietary audio / video hardware and software with cloud infrastructure and web application to achieve reliable remote broadcasting capabilities.
- Developed new front-end and back-end solution architecture.
- Integrated custom video broadcasting hardware.
- Conducted database design and development.

**Environment:** Angular 2-4, Bootstrap, ASP.NET, C#, SQL Server, MongoDB, Entity Framework, Panasonic AV equipment, WebRTC, JSON, HTML, JavaScript, TypeScript, TFS, AWS, Agile SCRUM

### **IT Consultant - Full-Stack Solutions Architect / Software Developer**

**2020 Technologies** — Laval, QC *May 2017 – July 2017*

**Engagement Type:** Full-time, on-site and remote

**Project:** Improvements to the existing customer e-commerce portal.

- Proposed and developed new front-end solution architecture.
- Developed front and back-end.
- Provided coaching and production support.
- Conducted design sessions with clients and users.

**Environment:** Angular 4, Bootstrap, Webpack, ASP.NET, C#, .NET 4.6, Salesforce, JSON, HTML, JavaScript, TypeScript, TFS, AWS, Agile SCRUM

### **IT Consultant - UI/UX Developer / Full-Stack Development / Azure Dev**

**Garda World / R3D** — Montreal, QC *December 2015 – May 2017*

**Engagement Type:** Full-time, on-site

**Project:** Logistics management and package tracking solution for high-value parcels.

- Proposed and developed solution architecture.
- Developed front and back-end.
- Fixed bugs and performed optimizations.
- Conducted functional analysis and requirements gathering.

**Environment:** AngularJS, C#, .NET 4.6, Azure, MVC, Web API, MS SQL Server 2016 Azure, Visual Studio 2013, NUnit, Git, EF 6, JavaScript, TypeScript, Bootstrap, Jira, TeamCity, Azure WebJobs, Agile Scrum

### **IT Consultant - Development**

**Kéolis** — Montreal, QC *September 2015 – December 2015*

**Engagement Type:** Full-time, on-site

**Project:** Development of a new online bus ticket selling platform.

- Analyzed the current solution.

- Developed front and backend.
- Fixed bugs and performed optimizations.
- Participated in project planning and management as well as in daily scrums.

**Environment:** C#, .NET 4.5, Azure, MVC, Web API, MS SQL Server 2012, Visual Studio 2013, TFS, AppFabric, EF 6, JavaScript, AngularJS, Bootstrap, Agile Scrum

### **IT Consultant - Architecture/Development**

**TC-Media** — London, ON *February 2015 – July 2015*

**Engagement Type:** Full-time, on-site and remote

**Project:** Integration of an acquired company's IT (including software) into the main corporate systems.

- Analyzed the current solution.
- Prepared documentation.
- Created and developed .NET solution architecture blueprints.
- Proposed solutions to technical challenges such as web performance optimization.
- Participated in project planning and management.
- Performed analysis of infrastructure and solution architecture.
- Worked in tight co-operation with multiple IT departments located in different geographical areas.
- Developed web-based administrative console.
- SQL analysis and development.
- ETL analysis and development.

**Environment:** .NET 2.0 - 4.5.2 - 4.6, C#, VB.NET, MS Windows Server 2012, MVC, Web API, MS SQL Server 2008-2012, Visual Studio, IIS, TFS, AppFabric, EF 6, ETL, Simple Injector

### **IT Consultant / Enterprise Architect**

**CGI (Infrastructure Canada)** — Ottawa, ON *March 2014 – September 2014*

**Engagement Type:** Full-time, on-site and remote

**Project:** Migration of all operations from one infrastructure to another.

- Trained technical personnel to work in the new environment.
- Prepared documentation.
- Proposed solutions to technical and managerial issues.
- Coordinated with the client and the outsourcers.
- Participated in project planning and management.
- Performed analysis of infrastructure and solution architecture.
- Adjusted software architecture to be compatible with the new infrastructure.
- Analyzed solutions code as well as PL/SQL stored procedures.
- Worked in tight co-operation with various IT departments.
- Provided technical advice to Project Manager and other parties.

**Environment:** Windows Server, SQL Server, Oracle, PL/SQL, Visual Studio, IIS, TFS

## **IT Consultant - Solution Architect / Senior Developer**

**Lionbridge** — Montreal, QC *September 2013 – February 2014*

**Engagement Type:** Full-time, on-site and remote

**Project:** Improvement and optimization of the company's proprietary process management software.

- Worked closely with IT infrastructure department to configure development environments.
- Prepared deployment scripts and packages.
- Worked closely with the PM and SCRUM Master in Agile environment to develop and release.
- Prepared deployment, upgrade, and further development documentation.
- Redesigned and optimized a proprietary project management software application.
- Performed analysis of existing solution and current requirements to determine necessary architecture improvements.
- Designed architecture for the new version (PoC, prototypes).
- Developed and refactored key modules.
- Optimized data retrieval and management.

**Environment:** VS 2013, .NET 4.5, C#, Entity Framework 5, SQL Server 2008 R2, LINQ, Parallel Programming (TPL), Ext JS

## **IT Consultant / .NET Developer**

**Commission de la Construction du Québec (CCQ)** — Montreal, QC *June 2013 – September 2013*

**Engagement Type:** Full-time, on-site

**Project:** Development of a new web-based customer portal.

- Designed and developed human resources and construction contracts management software.
- Designed and developed back and front-end ASP.NET.
- Data modeling and stored procedures design (SQL Server).
- Testing and deployment, working with the QA and IT departments.

**Environment:** VS 2010, .NET 4, C#, ASP.NET, SQL Server

## **IT Consultant / .NET Developer**

**Hydro Quebec & Fujitsu Consulting** — Montreal, QC *June 2012 – May 2013*

**Engagement Type:** Full-time, on-site and remote

**Project:** New electricity exchange and trading software with complex proprietary logic.

- Analyzed and developed electricity trading software for Hydro Quebec.
- Proposed original architecture for several key modules.
- Unit testing, functional testing, and QA support.
- Worked closely with DBAs and SDLC professionals to ensure proper deployment.

**Environment:** .NET 4.0, C#, WCF, WPF, LINQ, Parallel Programming (TPL), MVVM, Oracle, PL/SQL

## **IT Consultant / Solution Architect / .NET Developer**

**AeroMAG** — Montreal, QC *February 2012 – April 2012*

**Engagement Type:** Full-time, on-site

**Project:** Aircraft de-icing process management software.

- Designed and developed software architecture.
- Created software architecture for legacy systems integration.
- Worked in Agile Scrum environment.
- Performed data modeling and database design.

**Environment:** VS 2010, .NET 4, C#, Entity Framework 4.1, WCF, WPF, SQL Server 2008 R2, XML, Unity (DI), MVVM, VB 6, Oracle

## **IT Consultant / Solution Architect / .NET Developer**

**Pfizer** — Montreal, QC *December 2011 – January 2012*

**Engagement Type:** Full-time, on-site

**Project:** Proprietary electronic sales assistant for pharmaceuticals.

- Designed and developed new solution architecture.
- Ensured mobile device compatibility.
- Worked closely with IT department for infrastructure architecture.
- Database design (SQL Server 2008 R2).

**Environment:** VS 2010, ASP.NET MVC 3, MVVM+C, Entity Framework 4.1, C#, Razor, Telerik, jQuery, Unity (DI)

## **Programmer-Analyst**

**SNC-Lavalin** — Montreal, QC *September 2008 – June 2011*

**Engagement Type:** Full-time, on-site

**Project:** Large-scale construction project management system development and support.

- Developed web applications for the corporate project management system.
- Performed systems analysis and created documentation for development.
- Worked in all stages of n-tier corporate applications development (SDLC).
- Served as technical lead for certain project development stages.
- Managed TFS and AD projects.
- Participated in all stages of multilayer corporate applications development: from analysis and conception to the development of all layers from DAL to UI.
- Championed implementation of newer technologies in web-based user interfaces.
- Solved problems related to integrating the application with legacy PowerBuilder™ environment.
- Performed localization and internationalization of applications.
- Trained colleagues in acquiring new development techniques.

- Acquired experience working in an almost 100% French language environment.

**Environment:** VS 2010, ASP.NET C#, AJAX, JavaScript, jQuery, SQL Server, Telerik, CSS, HTML, VSS, TFS, P+

### **Web Application Developer / Software Programmer**

**Future Electronics** — Pointe-Claire, QC *April 2007 – September 2008*

**Engagement Type:** Full-time, on-site

**Project:** Gradual transition from terminal-based computing to desktop and web-based systems, including integration of newer technologies with a legacy ERP/mainframe.

- Developed web applications for the finance module of the corporate ERP.
- Participated in functional analysis.
- Integrated legacy mainframe systems with modern database and internet technologies (Tandem Himalaya mainframe and MS SQL Server).
- Helped co-workers in learning and leveraging new technologies (AJAX, VS 2005 and 2008, SQL Reporting).
- Created and configured software solution architecture to integrate SSRS with legacy systems.
- Proposed and implemented modern technologies, significantly improving productivity.
- Actively participated in the transition from .NET 1.1 to 2.0 and later technologies for supported applications.
- Championed the transition from Visual Basic to C#-based development.
- Performed refactoring of existing applications.

**Environment:** VS 2005, C#, VB.NET, AJAX, JavaScript, SQL Server, SSRS, SSIS, COBOL, Proprietary HP ODBC drivers, VBA, RAD

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**References and earlier experiences available upon request.**

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### **OTHER INTERESTS AND ACTIVITIES**

- Carpentry.
- Volunteer in organizing and managing a charity summer camp for children since 2009.
- Teaching at a community school (social studies).
- Photography, digital image processing and design.
- Sound engineering, video production, and streaming.
- Gardening.