

# Daryl Fritz

## Senior Full-Stack Developer

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### Summary

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Senior Full-Stack Developer with 20+ years of experience delivering high-impact software solutions across finance and energy sectors. Proven expertise in building scalable microservices, optimizing CI/CD pipelines, and enhancing frontend experiences to boost user efficiency and decision-making. Skilled at modernizing legacy applications and leading cloud transformations on both Azure and AWS platforms.

### Technical Skills

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**Backend:** C#, ASP.NET (MVC, Web API), .NET Core, Java, Kotlin, Spring Boot

**Frontend:** TypeScript, React, JavaScript, HTML, CSS, jQuery

**Cloud:** Microsoft Azure (Azure App Services, Azure DevOps), Amazon Web Services (AWS), Docker

**Databases:** SQL Server, Oracle, PostgreSQL

### Work Experience

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#### Senior Systems Developer • Kotlin/Java and TypeScript

Aug 2024-Feb 2025

Healthcare of Ontario Pension Plan (Contract), Toronto, ON

- Enhanced a critical trade blotter application (Trade Status Viewer), using Kotlin with Spring Boot for the backend and TypeScript with React for the frontend.
- Expanded the application's functionality by integrating support for 8 new instrument types, providing the business with a comprehensive and detailed view of ongoing trades, enabling data-driven decision-making.
- Improved the frontend user experience by implementing advanced React components and optimizing UI performance, ensuring clarity and usability for traders in high-pressure environments.
- Ensured seamless integration of new features with existing systems through rigorous unit and integration testing, adhering to test-driven development (TDD) principles.
- Partnered with business stakeholders and a cross-functional Agile team to prioritize enhancements and deliver value incrementally, meeting tight deadlines in a dynamic trading environment.
- Deployed cloud-native solutions on AWS, leveraging Azure DevOps pipelines for CI/CD and ensuring highly reliable production releases.

**Technologies:** Kotlin, Java, Spring Boot, TypeScript, React, Amazon Web Services (AWS), Azure DevOps, SQL Server

#### Senior Systems Developer • Microsoft .NET and TypeScript

Apr 2020-Jun 2024

Enbridge Gas Inc. (Contract), Toronto, ON

- Led the migration and re-architecture of legacy systems to Azure Cloud, modernizing infrastructure to support scalable microservices and backend APIs built with C#/.NET
- Optimized the online billing and account management platform by integrating real-time services with SAP through ASP.NET Web API. Leveraged a CQRS-based architecture to improve data accuracy and streamline processes, resulting in enhanced customer satisfaction.
- Architected and implemented Okta Multifactor Authentication (MFA) into the online billing and account management platform, strengthening security with robust access logging and reducing security risks, using ASP.NET and JavaScript.
- Led offshore teams in implementing secure, reusable libraries and frameworks in C# and Sitecore, ensuring alignment with industry best practices.
- Enhanced the enbridgegas.com platform by implementing user account management tools for over 2 million users, reducing call center inquiries through a more intuitive interface.

- Implemented CI/CD workflows using Azure DevOps, reducing deployment times by 40% and improving system reliability.

**Technologies:** C#, Microsoft ASP.NET, Microsoft ASP.NET MVC, ASP.NET Web API, TypeScript, JavaScript, Azure Cloud, Azure DevOps, Oracle, PL/SQL

## Senior Systems Developer • Kotlin/Java and TypeScript

Jul 2018-Apr 2020

Healthcare of Ontario Pension Plan, Toronto, ON

- Developed critical enhancements and features for a high-stakes payment gateway microservice, facilitating approvals and the secure exchange of large settlements with third-party brokers using Kotlin, Java, Spring Boot, Docker, GraphQL, and REST following test-driven development principles.
- Orchestrated the end-to-end build and release process for production deployments utilizing Azure DevOps and CI/CD pipelines, guaranteeing seamless and reliable code releases while minimizing downtime.
- Designed and deployed asynchronous processing pipelines for microservices, leveraging message queues (e.g., SQS) and caching technologies (e.g., Redis) to support scalable, event-driven architectures.
- Focused on enhancing the user experience with TypeScript, React, Redux, and Styled Components, resulting in an intuitive and visually appealing user interface, significantly enhancing the usability of the Cash Settlement application.
- Implemented clean coding principles, SOLID design patterns, and rigorous code reviews to ensure maintainability and readability across a microservices-based architecture.
- Collaborated in a cross-functional team and Agile environment using the scrum methodology.

**Technologies:** Kotlin, Java, Spring Boot, TypeScript, React, GraphQL, Amazon Web Services (AWS), Git, SQL Server

## Senior Application Developer • Microsoft .NET and JavaScript

Oct 2008-Jul 2018

Enbridge Gas Distribution, Toronto, ON

- Led the design, development, and technical direction of key projects, including enbridgegas.com and the online billing and account management system, serving as the primary technical point of contact.
- Engineered a real-time production application in ASP.NET, improving call centre staff access to critical information by 80% and reducing response times by 12%.
- Successfully launched a redesign of the authenticated customer experience, integrating with third-party services using SAML and enhancing user engagement.
- Enhanced the functionality and performance of a large public-facing portal, leveraging Java, Oracle, and PL/SQL to optimize user experience and ensure seamless operation.

**Technologies:** C#, Microsoft ASP.NET, WCF Services, JavaScript, jQuery, HTML, CSS, JSON, Java, Oracle, PL/SQL

## Systems Analyst • Java

Oct 2004-Oct 2008

Enbridge Gas Distribution, Toronto, ON

- Developed, supported and improved the efficiency and stability of the public facing portal using Java, JavaScript, Oracle, and PL/SQL with a significant focus on user experience and accessibility.

**Technologies:** Java, JavaScript, HTML, CSS, Oracle, PL/SQL

## Education

### Computer Programmer Analyst and Internet Technologies, Honours

Sep 2001-Jun 2004

Humber College, Toronto, ON

## Hobbies

In my free time, I enjoy exploring new places, hosting board game nights, and listening to music.