

FELIPE SILVA

Senior Software Engineer

.NET · SQL Server · Azure

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PROFESSIONAL SUMMARY

I have spent 10+ years building and operating production systems that cannot go down ? healthcare data platforms at IQVIA, enterprise security products, and payment flows serving thousands of customers. Primary stack: C# / .NET, ASP.NET Core, SQL Server, and Azure.

Backend-first, and full-stack when needed: TypeScript / React on the frontend, plus CI/CD and cloud delivery on systems already serving customers.

CORE TECHNOLOGIES

Languages C# · SQL · TypeScript · JavaScript · Go

Backend .NET · ASP.NET Core · Razor Pages · Entity Framework Core · ASP.NET Core Identity · CQRS · REST APIs · Node.js · GitLab CI/CD · Azure DevOps

Frontend TypeScript · React · Next.js · JavaScript · HTML · CSS · jQuery · Bootstrap / AdminLTE · ASP.NET

Cloud & data SQL Server · DACPAC · AWS (Lambda, SNS, SQS) · Azure · Azure SQL · Azure App Service · Azure Functions · Azure Blob · MongoDB · Databricks · Parquet

PROFESSIONAL EXPERIENCE

IQVIA

Aug 2020 to Present

Senior Software Engineer · Healthcare technology · Pharmaceutical and healthcare data customers

Backend and data platform engineering in C# / .NET, ASP.NET Core (Razor Pages, Entity Framework Core, Identity), SQL Server, and Clean Architecture / CQRS for high-volume healthcare and pharmaceutical data used across multiple markets.

- Stabilized a high-volume C# / .NET, Entity Framework Core, and SQL Server file path after SQL deadlocks, timeouts, and 3+ hour or failed runs on the largest files. Every file now finishes within 20 minutes, usually faster, while ingesting dozens of very large files per hour.
- Built a live extract pipeline in Go that replaced SSIS and a manual CSV/Spark/SQL Server path with FTP watch, Parquet, Azure Blob, Azure Functions, and analyst-triggered Databricks loads in minutes.
- Delivered ASP.NET Core Razor Pages operator tooling with Identity, CQRS, jQuery, and AdminLTE on the same estate.
- Introduced GitLab CI/CD, Azure DevOps, and DACPAC versioning with automated pre-deploy checks and schema drift reports, so database changes shipped with the same review path as application code.
- Cut routine developer support time by 75% through RCA-driven production fixes on live ingestion and extract paths.

Fidelis Security

Apr 2018 to Jul 2020

Senior Software Engineer · Enterprise security · Enterprise customers on multiple operating systems

Backend work on a cross-platform enterprise security product, including OS migration, partner integrations, and AWS async processing.

- Led backend work for an OS migration so the product ran reliably across customer environments that previously blocked upgrades, supporting retention and new acquisitions.
- Repaired brittle cybersecurity partner integrations and cut recurring production defects by redesigning the integration layers.

- Built Go tooling for simulation and alerts around failing partner connections, plus automated integration tests for those paths.
- Moved partner and processing workloads that needed async fan-out onto AWS Lambda, SNS, and SQS, reducing coupling between partner calls and core processing.

Afya

May 2017 to Mar 2018

Senior Software Engineer • Healthcare education • Checkout and customer acquisition users

Full-stack work on the checkout and customer acquisition platform for a major healthcare education company.

- Built and operated end-to-end checkout and acquisition flows in TypeScript, Next.js, React, Node.js, MongoDB, and AWS, including payments, contracts, and production support.
- Led AWS modernization of the acquisition platform, increasing sales conversions by 12% after launch.
- Restructured the backend for more than 80% higher checkout throughput and shipped the cutover without downtime for live users.
- Enabled bundle and combo purchases on the acquisition path, expanding commercial options without breaking existing checkout flows.
- Owned day-to-day production support for checkout and acquisition while shipping feature work on the same codebase.

Levilo

Feb 2016 to Apr 2017

Software Engineer • SaaS • Users migrating from desktop to web

Full-stack and cloud work that moved a desktop product to SaaS for active clients.

- Re-architected a legacy desktop product as SaaS, reducing monthly customer churn from 18% to 3% by removing local stability failures.
- Designed and operated cloud infrastructure for more than 5,000 active client operations, including high-availability integrations with large consumer platforms.
- Delivered the web product path while keeping existing client operations running during the cutover.

Senac

Jan 2015 to Jan 2016

Software Engineer • Education • Students managing invoices and payments

Full-stack delivery of education payment tools and self-service invoice flows.

- Launched a multi-method student payment platform end to end.
- Replaced manual invoice and payment support with self-service flows, cutting operational load on the support team.
- Gave students a direct path to pay and manage invoices without waiting on manual back-office handling.

EDUCATION

University of São Paulo (USP)

Jan 2019 to Dec 2022

Bachelor of Information Systems (completed while working full time)

Sorocaba College of Engineering (Facens)

Jan 2014 to Dec 2018

Computer Engineering

LANGUAGES

English (C2, working language) • Portuguese (native) • Spanish (conversational)