



## ABOUT ME

Extensive experience delivering high-impact software solutions across finance, retail, logistics, and IAM. I am skilled in architecting and developing scalable systems using .NET, SQL Server, Azure/AWS, and event-driven integrations. Known for taking ownership of full SDLC, improving production stability, and mentoring teams to consistently ship quality software. 10+ years using .NET. Lived and worked for 3 years in Poland.

## CONTACT

PHONE:  
+55 41 988959535

EMAIL:  
Frank.ctba@gmail.com

# FRANK CARDOSO

Senior Full Stack Software Engineer / Tech Lead

## MAIN COMPETENCES/SKILLS

Expertise in the development of systems, distributed and reliable applications, web and desktop applications, web services, and system integrations, including microservices architectures containerized with Docker and deployed to cloud environments. Solid experience using best practices and tools for software development, testing, and quality management. Highly adaptable and quick to learn new technologies, with hands-on experience integrating AI-assisted development tools like Claude to accelerate delivery and improve code quality, and to automate processes and data flows through the adoption of AI tools and specific techniques. Experience building modern front-end applications with Angular, working across versions including the most recent releases. Technical leadership experience, having worked with different technologies and successfully managed the SDLC across projects for various types of businesses. Able to discuss and propose technical solutions to customers as well as product owners/managers; self-motivated, with strong communication skills, proven experience leading teams to deliver based on goals and business requirements, mentoring developers, and a track record of developing critical systems.

## TECHNOLOGIES

**Languages/Frameworks:** C#, .NET, ASP.NET Core, MVC, Web Forms, Windows Forms, WPF, TypeScript, JavaScript, NodeJS, Python, Django

**Front-End:** Angular 10+, AngularJS, React, MEAN Stack, Angular Material, Bootstrap, jQuery, HTML, NPM

**Architecture & Design:** Microservices Architecture, Docker, Design Patterns, asynchronous Programming, Event-Driven Architecture, RabbitMQ, Kafka, Hangfire, clean architecture, solid principles, Saga Pattern, CQRS, DDD

**Security:** JWT, OpenID, OAuth 2.0

**Cloud & Infrastructure:** Azure, AWS, Infrastructure as Code, ARM Templates, YAML, Terraform

**Testing & Methodologies:** Unit Testing, Mocking, TDD, BDD, SpecFlow, Scrum, Kanban

**AI & Agentic Development:** AI Assistants (ChatGPT, Claude, GitHub Copilot), LangGraph

## TOOLS

Visual Studio, VS Code, Git, TFS, Bitbucket, GitHub, GitLab, Azure DevOps, Docker, Jenkins, Octopus Deploy, SonarQube, SQL Server, Oracle, MongoDB, MySQL, MuleSoft API, Apigee, Postman, IIS Web Server, Shopify API/SDK, Okta Platform, Kibana, Elastic Search, Jira, SharePoint, Azure Data Factory, PowerShell, Power BI, Kubernetes, Rancher

## WORK EXPERIENCE

### Transcore (USA) - Full Stack Software Engineer – 2026/Current

Developed enterprise web applications and microservices for Transcore's transportation technology platform, supporting electronic toll collection and back-office operations. Built scalable .NET and Angular applications used to manage toll transactions, customer accounts, operational workflows, and integrations with transportation infrastructure.

## EDUCATION

### Specialization in Management of Software Projects at PUC/PR (2011 – 2012 - 360 hours)

Software development methodologies, best practices, tools, quality metrics and IT management frameworks and libraries.

### B.S. in Computer Information Systems at PUC/PR (2002 – 2005)

## LANGUAGES

- English: B2 level (CEFR)
- Portuguese: Native
- Polish: A2 level (CEFR)

## CERTIFICATIONS

- Claude Code 101 – Intro to AI
- AZ-204 – Azure Developer
- AZ-900 – Azure Fundamentals
- Automation Specialist Tricentis Tosca
- 70-486 – ASP .NET MVC
- 70-480 – Programming in HTML5

### MX Data (USA) - Lead / Full Stack Software Engineer – 2022/2026

Participation in the entire development lifecycle, directly responsible for the delivery of systems in production. Conducted technical interviews with candidates and mentored other team members. Focused on Retail, Order Management Systems, and Integration platforms working directly with the Product Manager and CEO on system integration, data pipeline design, and data model design based on product vision, customer goals, and project requirements. Manipulated large volumes of Retail data via ETL processes and integrated external APIs including Shopify, Uber Delivery, EasyPost, Prism, and Klaviyo.

Key achievements:

- Led the Shopify REST API integration: performance improvements, order cancellation flow, discount management, and product/inventory sync.
- Designed and developed the Uber Delivery API and Klaviyo integrations.
- Redesigned the customer data schema and its integrations with external systems.
- Implemented a new Azure DevOps CI/CD pipeline integrated with SonarCloud.
- Introduced a new RabbitMQ-based communication interface for event-driven data consumption.
- Developed X12 EDI integrations (810, 850, 856) for file exchange with EDI trading partners.
- Designed and built the License Manager, a licensing server for MX Data products — full solution architecture (API, service, and data layers, authentication) integrated with Cryptlex, on .NET 8 and EF Core.

Tech stack: .NET Core, Web API, RESTful services, GraphQL, EF Core, Azure, SQL Server, AngularJS, JavaScript, RabbitMQ, RetailPro, Azure DevOps, Jenkins, SonarCloud, Git, TDD, Scrum.

### EPAM Systems (Poland) - Lead/Senior .NET Software Engineer – 2019/2022

Development of web and cloud native applications, development of customized solutions, specialized technical support, interaction with customers from Europe and US. Working as Senior .NET Developer for clients as an outsourced resource (offshore model). Key developer and leadership experience, Agile teams. Design and development of service-oriented applications, microservices, Azure, AWS, CI/CD, serverless applications.

### Exxon Mobil Senior – Senior Systems Analyst – 2017/2019

International projects and Agile Teams in IAM organization (distributed in US, Brazil and India). Direct contact with stakeholders located in the US (headquarters). Solution Design and development of new features and new systems and workflows for IAM systems, Also, worked as a Quality Assurance specialist. Business trip to US.

### Blend IT Consulting - Senior .NET Software Developer – 2015/2017

Worked on full cycle software development projects (outsourced resource/onshore model). Experience working as key developer for 2 projects. Direct communication with clients, business analysts, key users and IT staff on the customer side.

### FH Consulting - Senior .NET Software Developer – 2014/2015

Directly responsible for leading small projects. Lead the development of web applications using Asp .NET MVC and Web Forms. Dealing with projects with certain level of pressure from managers and clients (Grupo Boticario).

**Grupo Marista – Senior Systems Analyst – 2008/2014**

Responsible for conducting small teams on the development of desktop and web applications. Worked on many projects in the educational area. Business trips to many locations in Brazil to meet with project managers and key users to gather business requirements and design of new solutions.

**MPS Informatica – Developer / Systems Analyst – 2002/2008**

Responsible for the development of client-server applications using Delphi, Caché Intersystems database, Mumps, systems analysis, SQL queries and procedures development. Started at the company as a trainee and then less than 1 year later, I was promoted to software developer.

**MAIN PROJECTS****PortalMX – Mx Data – Integration Platform – Retail**

PortalMX is MX Data's flagship SaaS, multi-tenant retail integration platform, connecting POS systems, RMS/WMS/ERP platforms, e-commerce storefronts, and payment providers to eliminate manual errors and cut fulfillment time and labor costs by 60-80%. As Lead Software Engineer on PortalMX, I worked across the platform's integration layer designing and building data pipelines and system/data models tailored to each customer's systems and business requirements, and delivering integrations with major retail and e-commerce platforms (Shopify, Uber Delivery, EasyPost, Klaviyo, RetailPro, and EDI trading partners) to keep inventory, orders, and customer data synchronized across disparate systems in near real time, supporting a data delivery accuracy target of 98%+ for customers including major luxury retail brands.

**Stock & Fulfillment – ASOS – Online Fashion Retailer**

Development and delivery of services using .NET, C#, Azure cloud platform, Infrastructure as Code, Scrum. Team leadership, backlog maintenance, creation and estimation of tasks and stories, removing impediments/blockers, meetings with managers to discuss continuous improvements, development of POCs, system analysis, daily meetings with distributed teams in Poland and other locations in Europe, presentation of the sprint results to stakeholders, testing strategy definition and support, communication with business stakeholders (managers, product owner, project manager). Main project: Direct to consumer project which involved many teams across ASOS.

**Web Portal Migration – Bristol Myers-Squibb – Life Sciences and Health Care**

Migration of the Web Portal from AngularJS to Angular 2. Front-end development using Angular 10, JavaScript, TypeScript, HTML and SCSS - Integration of the Angular Web Project with the back-end services. Unit tests using Jasmine and Karma. UI development using Storybook.

**Investor Web Portal – KKR – Fintech**

Full stack development, Angular 9, AWS services, .NET Core, serverless functions. Data sources: SQL Server database and Elasticsearch indexes. Use of: CI/CD, Scrum, SonarQube. Business trip to Krakow.

## MAIN COURSES

- Azure AZ-204 preparation (2021)
- Udemy – Angular & NodeJS – Mean Stack (2020)
- Leadership program (2020)
- Azure AZ-900 preparation (2020)
- Master Public speaking (2019)
- Angular 6, TypeScript, NodeJS and Azure (2018)
- Tricentis Tosca Test Suite (2018)
- Agile Principles and practices (2018)
- Preparation for CAPM certification (2013)
- MS Project 2010 (2013)
- .NET development, web Forms, C# (2009)

## MAIN PROJECTS

### Portability Tool – eMoney - Fintech

Portability Tool is an initiative to upgrade the eMoney Migrator (a windows Console Application) to a Web Application. The tool enables clients (financial advisors) to move to another financial advising office together with his/her customer portfolio.

Responsibilities: Key developer, solution design and architecture definition, back-end development, front-end development, user stories documentation, tasks definition and effort estimation, meetings with team members (USA and Poland), presentation of the sprint results to stakeholders, code reviews, unit tests.

Results of the above actions:

- Retirement of the old solution
- Costs reduction associated with a dispendious process that is core to business.
- Significantly reduction on the time to perform a migration.

Tech stack: .NET Core, Web API, EF Core, Docker, React, Swagger, NServiceBus, RabbitMQ, Unit Tests, NUnit, Jira, Confluence, Bitbucket, Jenkins, Octopus, GIT, Apigee, Okta, Kibana, SonarQube, HashiCorp Vault, CI/CD, Scrum, VeraCode, ReSharper

### Automation Testing - Exxon Mobil - Identity and Access Management

Automated testing process implementation for the whole IAM organization. Adoption of automation testing practices by the Agile teams distributed in Brazil, USA and India. Implementation of the Tricentis Tosca tool for testing automation life cycle.

Responsibilities: Automated tests development and validation, meetings with the team and project managers, team members mentoring, team scope and responsibilities definition, Tricentis Tosca certification program. Tech stack: Tricentis Tosca Test Suite, Postman, Microsoft Test Manager, .NET Selenium Web Driver, Visual Studio, TFS

### Joiner – Exxon Mobil – Identity and Access Management

Automate the on boarding process of employees and creation of their accounts through a customizable workflow. Provisioning of user accounts in Active Directory, Exchange, Skype and other servers. Scrum methodology. Main tasks: System analysis, Solution design and documentation, agile ceremonies participation, user stories documentation, tasks definition and effort estimation, development of integrations between systems using .NET, SQL Server (Stored procedures, Jobs, Triggers) and APIs, development of proof-of-concepts, architectural proposals. Business trip to US.

Tech stack: .NET, C#, ASP .NET MVC, Visual Studio, MuleSoft API, HTML, JavaScript, CSS, JQuery, Bootstrap, SQL Server, TFS, Microsoft Test Manager, BMC Remedy ITSM

### Konexia – Blend IT – Konexia (Fintech)

Development of multi-tenant web application for Consigned credit (payroll loan).

Tech Stack: .NET, C#, Web API, Entity Framework, DI, IoC, Design Patterns, AngularJS, JavaScript, HTML, SQL Server, Visual Studio, Bootstrap, AutoMapper, NodeJs, Bower, Git, SaaS, unit testing, code reviews

### EDI Web – Blend IT - Rumo ALL (Railway)

Development of new modules and features for the existing railway logistics system. I have worked successfully as the key developer and contributed actively on the success of the project. Main tasks: system analysis, solution design, full stack development, meetings with business analysts and key users, meetings with customer technical team members, user stories documentation, tasks definition and effort

estimation, code reviews. Tech stack: .NET, C#, Visual Studio, ASP .NET MVC, HTML, CSS, JavaScript, JQuery, Ajax, JSON, ExtJS, Bootstrap, NHibernate, Oracle, WCF, ReSharper, Design Patterns, AutoMapper, Dependency injection, IoC, SOLID

**Insurance Broker Portal – Blend IT - Ceabs Servicos (Europ Assistance)**

Vehicle insurance Web Portal. Accessed by the insurance companies and by insurance brokers to manage customers and proposals. Full cycle software development. Main tasks/technologies: system analysis, full stack development, using .NET, C#, Entity Framework, HTML, JavaScript, JQuery, CSS, Bootstrap, Ace template, Ajax, code reviews, pair programming, SQL Server, Amazon Web Services, WCF, TFS, Git, Kanban.

**CSG system – Blend IT - Ceabs Servicos (Europ Assistance)**

Full cycle development of a tracking system (from vehicles with GPS transmitters) that allows the analysis of events and treatment. Integration with other systems and with phone call software, auditing forms and analytical data reports. Tech stack: .NET, C#, Entity Framework, ASP .NET MVC, HTML, JavaScript, JQuery, CSS, Bootstrap, Ajax, SQL Server, Amazon Web Services, WCF, TFS, Git, Kanban, CI/CD, Jenkins, UML

**Masisa Sinteg – FH Consulting – Arauco**

Development of new features/functionalities for the Windows desktop application using WPF, Prism, MVVM architecture, Infragistics components, LINQ, Stored procedures. Worked as a Senior developer and helped the team to develop some critical functionalities in a short period of time, with high pressure from client and according to the business requirements and expected quality. Also, assisted on the go-live of the new functionalities, working directly with the team and with the client in order to deploy the system changes in production.

**SIGW – FH Consulting – STCP (Construction Industry)**

Development of web application for management of construction work and public contracts. Worked as the key developer and I was responsible for system analysis and development of main functionalities, having to deal with high pressure from client and at the same time dealing with technical challenges. Assisted on the system go-live, working directly with the team and with the client to deploy the system changes in production. Presentation of the results to internal stakeholders and managers. Tech stack: PHP, WIMP stack, MySQL, HTML, JavaScript, CSS, JQuery, Ajax, HighCharts, IIS, SharePoint Server 2013, SQL Reporting Services, Google Maps API, SQL Server, Project Server

## MAIN PROJECTS

### **CPLV – FH Consulting – Grupo Boticario (Cosmetics Industry)**

Development of web application that allows the registration of users (employees from franchised stores and corporate users) in the centralized company database. Tech stack: .NET, C#, Entity Framework, ASP .NET MVC, LINQ, HTML, JavaScript, JQuery, CSS, Bootstrap, Ajax, SQL Server, WCF, IBM Integration Bus, TFS

### **Billing Panel – FH Consulting – Internal Project (Financial)**

Development of the web application that automates the billing process through customized workflows, reports generation and emails. Full cycle software development. Worked as the tech lead and developed the main functionalities in a short period of time, with high pressure from client and according to the business requirements and expected quality. Assisted on the go-live of the new functionalities, working directly with the team and with the client in order to deploy the system changes in production. Presentation of the results to internal stakeholders and managers. Tech stack: .NET, C#, ASP .NET Web Forms, ADO .NET, SharePoint 2010 Web Parts and Features, HTML, JavaScript, CSS, Crystal Reports, SAP Business One Integration, SQL Server, UML

### **Academic ERP – Grupo Marista – All Schools**

Implementation of the new Educational ERP. Main tasks: System analysis, development of changes in legacy systems and integrations using Delphi and SQL, documentation, business process mapping, data migration, meetings with third party consultants and key users, tasks management, effort estimation and small team coordination, user support and training. Business trips to many locations in Brazil. Tech stack: Lyceum ERP, SQL Server, Visio, BPMN, .NET, Windows Services, Web Services, SOAP, XML, Delphi, MS Project, SharePoint, Visual Studio, UML, OTRS

### **Accounts Receivable – Grupo Marista – Financial area**

Development of web application to manage student's tuition from all schools (16 schools and 25 thousand students).

Tech stack: .NET, C#, ASP .NET MVC, NHibernate, Castle Windsor, SQL Server, HTML, JavaScript, JQuery, Ajax, SQL Server Reporting Services, Visual Studio, UML, Data Mart

### **School Enrollment – Grupo Marista**

Web application workflow system that allows the registration process for the next academic year. Development of real-time reporting. Full cycle software development. It is a critical and integrated process involving more than 25 thousand students from all the schools of the group. Tech stack: .NET, C#, ASP .NET MVC, NHibernate, Castle Windsor, SQL Server, HTML, JavaScript, JQuery, Ajax, SQL Server Reporting Services, Visual Studio, UML, Data Mart

### **Datasul ERP – Grupo Marista – All Schools**

Implementation of the new Financial ERP. Main tasks: System analysis, development of changes in legacy systems and integrations using Delphi and SQL, documentation, business process mapping, data migration, meetings with third party consultants and key users, tasks management, effort estimation and small team coordination, user support and training. Business trips to many locations in Brazil. Tech stack: Datasul ERP, SQL Server, Visio, BPMN, Delphi, MS Project, UML, T-SQL, SharePoint

**Posigraf – MPS Informatica**

Development of desktop application for Posigraf (a printing company from Positivo educational group). Main tasks: Systems analysis, database modeling, development of new functionalities using Delphi and SQL integration testing, user support and training, production release. Tech stack: Delphi, SQL Server, stored procs, COM+, ERWin

**Jurisprudence search – MPS Informatica - Tribunal de Justica do Parana**

Development of a small web application for jurisprudence search about law cases and its engine. Technologies: Caché Intersystems database, Mumps, Cache Server Pages.