

# Luciano Leal

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Brasileiro, solteiro, sem filhos, 42 anos.



## Senior Full Stack Developer

### Introduction:

A professional with over 20 years of experience in the information technology field, working in companies in the banking, financial, large-scale retail, fintech, brokerage, and cryptocurrency mining sectors.

Throughout my professional journey, I have developed technical skills in:

**Languages:** C#, Javascript, Typescript

**Backend:** .Net WebForms, .Net MVC, APIs REST, NodeJs with Express, Redis caching

**Frontend:** Angular, Ionic Framework, Windows Forms, jQuery, HTML5, CSS, SCSS

**Tools:** Git (GitHub e CodeCommit), MSTest, NUnit, Mocha, Entity Framework, LINQ

**Databases:** SQL Server, Oracle, Postgres, MySQL, Firebird

**Cloud:** AWS S3, Cognito, SQS, SNS, Lambda, CloudFormation, Comprehend, CodeCommit

**Metodologias:** TDD, DDD, Dependency Injection, Observables

I have excellent interpersonal communication skills and the ability to create detailed and precise documentation and technical specifications.

I appreciate the search for innovative and practical solutions that facilitate people's work and the building of team relationships. I am distinguished by my passion for challenges and flexibility in the face of change..

### Education:

- Bachelor's in Big Data Science - UAM (ongoing, started in 2024)
- Bachelor in Computer Science - UNIVAP (2002-2004, unfinished)

### Languages:

- Fluent in English and Portuguese

### Certifications:

- AWS Certified Developer Associate (May 2024; validation# b1163670b455411c8abc01e51a9c8ad2)

## Key Projects:

- I developed a high-performance front end in Angular for capturing telemetry from cryptocurrency miners for the startup Minera Brasil, displaying graphs on a dashboard, along with a NodeJs server with Express to send commands to the mining machines via telnet (video of it available on my website [LucianoLeal.com](http://LucianoLeal.com)).
- I designed, developed the front end, and part of the back end for Gradual Investimentos' HomeBroker, a critical application used by thousands of clients for 7 years to trade assets on the brazilian stock exchange BOVESPA. For this project, I created a custom caching solution on the back end to improve performance in asset price searches..
- Developed a smart contract architecture for a startup accelerator in Bulgaria in 2016.

## Professional Experience:

### Senior .Net C# Developer

July 2021 - June 2024

DeMaria Informática

Sector: Software for Notary Services

- Developed internal tools with Windows Forms, TypeScript with AWS Amplify, S3, Lambda, and AWS Comprehend for mass data migration from competing systems.
- Automated many processes and managed to reduce the migration time for new clients from months to days, while maintaining the integrity and relationship of their data. The tools were developed with a focus on performance, using multi-threading and integration with Windows Forms.
- Worked with multiple databases on a daily basis (MS SQL Server, Postgres, MySQL, Firebird).

**Technologies:** .Net Framework; .Net Core; Entity Framework; LINQ; Windows Forms; AWS S3, Cognito, Lambda, Comprehend, CloudFormation (Typescript SDK); TDD with MSTest; Git; SQL; Postgres; MySQL; Firebird.

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### Senior .Net C# Developer

November 2020 - March 2021

Liberty Insurance

Sector: Insurance

- Maintenance of an internal knowledge base solution in .Net with ASP.NET MVC.
- Development of REST APIs with ASP.NET MVC.
- Updating internal systems in SharePoint.

**Technologies:** .Net Framework; ASP.NET MVC; Entity Framework; Sharepoint; Agile Methodology; Git; APIs REST.

## Senior .Net C# Developer

November 2019 - November 2020

Via Varejo (Casas Bahia / Ponto Frio)

Sector: Large scale retail

- Development and maintenance of high-performance REST APIs in .Net Core and ASP.NET MVC responsible for serving product price data thousands of times per minute to Casas Bahia's (Brazilian Walmart) business partners; Redis used for caching.
- Development of a custom mock data server for performance testing, which helped the team deliver more efficient and bug-free code; done using TDD with Mocha in NodeJS with Express.
- API and integration documentation for the team.

**Technologies:** .Net Framework; .Net Core; ASP.NET MVC; REST APIs; NodeJS; Agile Methodology; Git; TDD; Mocha; MSTest; SQL Server; Microsoft Teams; Jira; Confluence

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## AWS/NodeJs Backend Developer

March 2019 - October 2019

Nomad.Global

Sector: Banking Fintech

- Development of financial APIs in a full microservices architecture on AWS.
- Lambda functions developed with TypeScript, TDD with Mocha and Chai.
- Creation of cloud infrastructure with CloudFormation.
- Messaging with SQS and SNS within AWS.
- RDS database with Postgres.

**Technologies:** NodeJS; Express; Typescript; AWS microservices with S3, Lambda, SQS, SNS, RDS; Git; TDD with Mocha and Chai.

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## Senior FullStack .Net C# Developer

February 2018 - February 2019

Minera Brasil

Sector: Crypto Mining Startup

- Development of a hardware sales platform with an administrative panel.
- Created a high-performance NodeJS server with Express to acquire complete telemetry from mining equipment; Angular frontend to visualize graphs including temperature, CPU usage, and Ethereum production data. Supported remote automatic updates.
- Integration of the hardware store's frontend with equipment inventory, payment system integrated with cryptocurrency sales APIs.
- Created an endpoint on AWS with Lambda functions for cryptocurrency price caching.
- Project architected by me, leading a junior developer.

**Technologies:** ASP.NET MVC; Banco SQL; LINQ; Entity Framework; Dependency Injection; NodeJS + Express; Typescript; AWS S3, Cognito, Lambda, CloudFormation; Angular; Logstash; Kibana; Git.

## Senior FullStack .Net C# Developer

February 2017 - February 2018

Gradual Investimentos

Sector: Stock Broker

- After spending some time abroad, I returned to Gradual and worked on developing a portal for buying and selling Treasury Direct products for brokerage clients.
- Front end development with Angular and Typescript.
- Backend using ASP.NET MVC, REST APIs..
- Development with Domain-Driven Design methodology, testing with NUnit.

**Technologies:** .Net Framework; ASP.NET MVC; LINQ; Entity Framework; Dependency Injection; Angular; Typescript; HTML5; CSS; Javascript; jQuery; REST APIs; NUnit; DDD.

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## App Developer / Blockchain Systems Architect

August 2015 - February 2017

Freelance

Sector: Consultancy

- I decided to leave Brazil and spend a few years as a digital nomad, living in various countries around the world, working as a freelancer. I lived in the USA, Chiang Mai (Thailand), Barcelona (Spain), Plovdiv (Bulgaria), and briefly in Istanbul (Turkey).
- I worked with a team of Canadian entrepreneurs on a meditation app for Android and iOS, using Ionic and Angular called "The Cutting Machinery," which was published and marketed. I used Ionic Framework, Angular, and Typescript.
- I was a technical consultant on a project for a digital accelerator in Bulgaria called Plovdiv.digital, designing the necessary smart contracts in Solidity for the startup and participating in the ideation of its ICO model. Although it didn't go into production, the project was complex and fascinating.

**Technologies:** Ionic Framework; Angular; Typescript; Smart Contracts with Solidity

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## Senior FullStack .Net C# Developer

February 2010 - August 2015

Gradual Investimentos

Sector: Stock Broker

- I developed Gradual Investimentos' HomeBroker, a high-performance web application for trading assets on the stock exchange; built with HTML, CSS, and JavaScript with jQuery. In the backend, I created a custom caching solution to serve asset prices to the frontend; this system was live for about 7 years, used by thousands of clients every day to perform transactions on BOVESPA.
- I developed the design and frontend of the company's intranet, which helped reduce costs and become more efficient in customer service. I created a componentization library in JavaScript with jQuery that was subsequently used by the development team to create other internal web projects (in the pre-Angular era).

- I created the company's custom CMS system to publish its institutional website, with visual editing components, integration with backend prices, and support for multiple languages.

**Technologies:** .Net Framework; HTML5; CSS; Javascript; jQuery; REST APIs; Team Foundation Server

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## **Senior .Net C# Developer**

Janeiro 2009 - February 2010

Carrefour (via Resource Tecnology)

Sector: Large scale retail

Development for Carrefour in web application projects with the .Net Framework, ASP.NET WebForms, C#, HTML/CSS/Javascript, jQuery, SOAP Web Services, SQL Server databases.

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## **.Net C# Developer**

November 2006 - November 2008

APB Prodata

Sector: Urban Mobility

Development of web systems with the .Net Framework, ASP.NET WebForms, C#, HTML/CSS/Javascript, jQuery, SOAP Web Services, Oracle databases.

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## **.Net C# Developer**

September 2005 - November 2006

CSU CardSystem

Sector: Credit Cards

Development of web systems to manage credit card products with the .Net Framework, ASP.NET WebForms, C#, HTML/CSS/Javascript, SOAP Web Services, Oracle databases.

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## **Web Designer**

February 2002 - October 2004

Boldcron Technologies

Sector: E-Commerce / Payment Gateway

Creation of frontend design and development of HTML/CSS/JavaScript for e-commerce systems and payment gateways built in JSP by another team.