

Willian Duarte de Andrade

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Skills

- Golang / Go (Programming Language) | TypeScript | JavaScript | NodeJS | C# | React JS | NextJS | NestJS | PostgreSQL | SQL Server
- REST | gRPC | MongoDB | SQLite | Terraform | Redis | Git | Github | Gitlab | Bitbucket | A/B Testing | HTML | CSS
- AWS | GCP | Azure | Cloud Computing | CI/CD | Software Testing | OOP | SOLID | DDD | Design Patterns | Clean Architecture
- Technical Leadership | System Architecture | Software Development | Agile | Scrum | XP | Observability
- Monolithic | Microservices | Distributed Systems | Event Driven Systems | Backend | Frontend | Full-Stack | Portuguese, English

Experience

Staff Software Engineer

Tino Instituição de Pagamento LTDA (Fintech B2B)

Remote 12/2021 - 12/2023

- **Recover funds:** Led the design and development of an enterprise-level microservice application to effectively recover funds from defaulting customers. The integration was a success, and the company went from a **default rate of ~95% to ~1% for defaulting customers by up to 30 days**. Using **GCP, Golang, PostgreSQL, Docker, PubSub, Terraform, BigQuery, Grafana, Metabase, Retool**.
- **Supplier Payments:** Led the new version of an existent system for processing payments to Suppliers. I was responsible for creating a new integration with Itaú Banking and adding this processing pipeline on top of Temporal Cloud. **The new version can process more than 100k transactions/daily**, keeping the data consistent and avoiding duplications. All this was proved by executing **loading tests**.
- **Public API and Online Sales Channel:** Continuous development of an enterprise-level public API for customer integration, implementing new features, and adding improvements for better observability. Also, I created design docs for the team to improve the performance of the critical business path. This project **increased online sales to over R\$ 2M/month in revenue**. Using **GCP, Golang, PostgreSQL, Docker, PubSub, Terraform, BigQuery, Grafana, Metabase, Retool**.

Senior Software Engineer

Loft Brasil Tecnologia LTDA (Real Estate B2C)

Remote 04/2020 - 12/2021

- Led the design and development of multiple enterprise-level microservice applications of the Renovations tribe at Loft, driving 300 simultaneous projects in Brazil. Using **AWS, NodeJS, Typescript, ReactJS, NestJS, NextJS, PostgreSQL, Kubernetes, Docker, SQS, SNS, Microsoft Azure, C#, .NET, SQL Server, Service Bus, Javascript, jQuery, HTML5, CSS, New Relic, Datadog**.

Senior Software Engineer

Decorati Building Tech LLC (Real Estate B2C)

Remote 01/2016 - 04/2020

- Led the design and development of a modular ERP of an Apartment Renovation Platform, driving the company from 0 to 120 simultaneous projects in São Paulo. The company was acquired by Loft in 2020. Using **Microsoft Azure, C#, .NET, SQL Server, Service Bus, Javascript, jQuery, HTML5, CSS**.

Software Engineer

Icuby Tecnologia Para Arquitetura LTDA (Architecture B2C)

Remote 10/2013 - 12/2015

- **mYbox:** Architectural design and development of the largest free library of BIM objects, heavily used by architects and designers. Using **Microsoft Azure, C#, .NET, SQL Server, Apache Lucene, Apache Solr, Javascript, jQuery, HTML5, CSS**.
- Architectural design and development of a Gate Security System for construction by an architectural office based in São Paulo. Using **Microsoft Azure, C#, .NET, SQL Server, Javascript, jQuery, HTML5, CSS, Xamarin for mobile app**.

Full-stack Developer

Nobre Seguradora do Brasil SA (Insurance B2C)

São Paulo, BR 08/2013 - 10/2013

- Architectural design and development of an ERP to replace the legacy system. This project was abandoned by the company due to financing issues.

Full-stack Developer

E-Guru Servicos em Tecnologia SA (E-Learning B2B)

São Paulo, BR 03/2011 - 06/2013

- Development of multiple LMS applications to training employees of small, medium, and large companies (Itaú, Santander, Monsanto, etc) using **C#, .NET, SQL Server, Oracle, SignalR, Javascript, jQuery, HTML5, CSS**.
- Architectural design and development of a modular LMS to scale the company operations, avoiding multiple codebases and improving the project delivery using **C#, .NET, SQL Server, Oracle, Javascript, jQuery, HTML5, CSS**.

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Full-stack Developer

WX7 Solutions
(E-Commerce B2B)

São Paulo, BR 01/2011 - 03/2011

- Development of multiple e-commerce applications for Brazilian companies (Peg & Faça, Sparco, Forma Turismo, Danone, etc) using **C#, .NET, SQL Server, Javascript, jQuery, HTML5, CSS**.

Frontend Web Developer

GVC Group
(Online Bets B2C)

São Paulo, BR 01/2010 - 12/2010

- Led the development of multiple front-end for betboo.com applications using **HTML5, CSS, Javascript, jQuery, .NET**.

Frontend Web Developer

Nitromidia Tecnologia e Marketing
(Marketing Agency B2B)

São Paulo, BR 01/2008 - 12/2009

- Led the development of multiple enterprise-level front-end applications for Brazilian companies (Suvinil, Agro BASF, Glasurit, UV Line, etc) using **HTML5, CSS, Javascript, jQuery, PHP, .NET**.

Education

Postgraduation degree

FIAP - Faculty of Computing and Administration

São Paulo, BR 03/2024 - 02/2025

- Machine Learning and Artificial Intelligence for Developers

Associate Degree

FIAP - Faculty of Computing and Administration

São Paulo, BR 01/2009 - 12/2010

- Analysis and Systems Development

Projects

- **PLZ CLI** is a versatile command-line interface tool designed to streamline and simplify everyday tasks

Mentorship

- **ADPList**: Mentoring SWEs by giving career advice and doing exercises in algorithms and system design together (02/2024 - Current)

Others

- **EF Standard English Test**: EF SET English Certificate 64/100 (C1 Advanced) (10/2023)