

# CESAR SANTOS

## Senior Full-Stack Engineer

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### SUMMARY

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Passionate software engineer with **25 years of experience** across backend, frontend, desktop, and mobile development. **Specialized in .NET, React and Angular**, skilled in architecting scalable solutions, implementing best practices, and collaborating with cross-functional teams. Experience working with American startups and enterprises including Bloomberg, Nasdaq, Amazon, and Oracle. Creative, quality-focused, and driven by continuous learning and innovation.

### SKILLS

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- **Languages and Frameworks:** C#, .NET, .Net Framework, Entity Framework, WinForms, Node.js, Typescript, Javascript, Python, React, Angular, Swift, Java, C, C++, T-SQL, Jest, Vitest, Playwright.
- **Databases:** SQL Server, Postgres, MySQL, Oracle, MongoDB, Redis.
- **Cloud Providers:** Amazon Web Services (AWS), Microsoft Azure.
- **Methodologies and Architectures:** REST APIs, Clean Architecture, MVC, MVVM, Domain-Driven Design (DDD), Microservices, Serverless applications, SOLID, Design Patterns, Test-Driven Development (TDD), Scrum methodology.
- **CI/CD:** Azure DevOps, GitLab CI/CD, GitHub Actions, Jenkins.
- **Tools and Services:** Docker, Kubernetes, GitHub Copilot, Git, RabbitMQ, Grafana, Snyk, Amplitude, OpenAI API, Figma.

### EXPERIENCE

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**Senior Full-Stack Engineer, AgileEngine, United States, Nov 2023 – Oct 2025**

**Project:** Fixed Assets - **Client:** Bloomberg Industry Group

Worked with an international team developing a financial SaaS used to manage fixed assets and calculate depreciation, so companies can maximize tax savings.

- Improved the existing backend architecture, which increased overall performance by 38%.
- Developed backend REST APIs using C# and .NET.
- Developed serverless application using AWS Lambda and Athena.
- Built front-end application using React and Typescript.
- Implemented tests (unit, integration, automation). The unit test coverage was increased from 11% to 75%.
- Created CI/CD pipelines in GitLab.
- Monitored system events using Grafana.
- Performed task decomposition, estimation, and bug fixing.
- Mentored junior developers.
- Performed code review.

**Technologies:** C#, .NET, React, Typescript, AWS (S3, Lambda, Athena, API Gateway), Jest, Vitest, Playwright, Grafana, Amplitude, Flatfile, GitLab CI/CD, Git, GitHub Copilot, Figma.

**Project:** Cumulus - **Client:** Sherweb

Worked developing a cloud marketplace system for enterprise solutions and Web hosting.

- Developed event-driven microservices using .NET, SQL Server and Azure.
- Migrated legacy .NET Framework projects to .NET Core, which increased overall performance by 32%.

- Built front-end application using Angular and Typescript.
- Implemented Python migration scripts.
- Fixed security code vulnerabilities using Snyk.
- Monitored system events using Datadog.
- Implemented unit and integration tests.
- Created CI pipelines in Azure DevOps.
- Performed task decomposition, estimation, and bug fixing.
- Performed code review.

**Technologies:** C#, .NET Core, .NET Framework, Angular, Typescript, Python, SQL Server, Snyk, Docker, Microsoft Azure, Azure DevOps, Git, Octopus Deploy, Datadog, Microsoft IIS, Microservices, Clean Architecture, Domain-Driven Design

#### **Senior Full-Stack Engineer, 6Sigma, Brazil, Apr 2022 – Nov 2023**

Worked architecting and implementing the SP6S system, a SaaS for storing, organizing and publishing statistical researches.

- Implemented microservice using .Net Core in AWS platform.
- Implemented the SP6S front-end application using Angular and Typescript.
- Implemented a data collector system using Node and Typescript.
- Implemented an administrative migration tool using WinForms.
- Implemented stored procedures using T-SQL.
- Implemented tests (unit, integration, automation).
- Created CI pipelines in GitLab.
- Mentored junior developers.
- Performed code reviews.

**Technologies:** .Net Core, .Net Framework, WinForms, Node, AWS, Clean Architecture, DDD, TDD, Angular, Typescript, SQL Server, T-SQL, Docker, Redis, GitLab CI/CD, Scrum.

#### **Senior Full-Stack Engineer, Quimbik, United States, Oct 2010 – Apr 2022**

Worked on more than **20 projects** in various business sectors, including airlines/aviation, enterprise software, e-commerce, financial services, fitness, CMS, delivery and education.

**Project:** Boardvantage - **Client:** NASDAQ

Worked developing a system to help directors, committees, and leadership teams be better prepared, engaged, and aligned in their collaboration and decision-making processes.

- Refactored monolithic service to event based microservices using Java Spring Boot, Node and RabbitMQ, which increased the application speed by about 47%.
- Implemented integration of the legacy login system.
- Implemented an agenda feature in the frontend application using React and Redux.
- Configured docker containers for running web application UI automation tests.
- Fixed bugs in the iOS legacy mobile application.
- Implemented the new iOS application using Swift and SwiftUI.
- Implemented tests (unit, integration, automation).
- Mentored junior developers.
- Performed code reviews.

**Technologies:** Java Spring Boot, Node.js, Clean Architecture, DDD, Microservices, TDD, Docker, Kubernetes, Postgres, Redis, React, Redux, Swift, SwiftUI, MVVM, Objective-C, UIKit, GitLab CI/CD, AWS, RabbitMQ, Scrum.

**Project:** SeatBoost - **Client:** SeatBoost

Worked developing an application for participating in live auctions for seat upgrades offered by partner airlines.

- Development of backend RESTful APIs
- Integration with third-party payment service
- Integration with third-party aircraft traffic service
- Implementation of job scheduling services
- Design of database schema
- Implementation of unit and integration tests

**Technologies:** Java Spring Boot, MySQL, AWS (EC2, S3, RDS)

**Project:** Amazon Employees Shares Website - **Client:** Amazon

Worked developing an internal system to allow Amazon employees to buy and sell Amazon shares.

- Implemented REST API endpoints.
- Implemented serverless functions using AWS Lambda and AWS SQS.
- Designed database schema.
- Implemented frontend application using React and Redux.
- Implemented tests (unit, integration, automation).
- Performed code reviews.

**Technologies:** Node.js, Javascript, React, AWS (Lambda, API Gateway, SQS), Postgres, MongoDB, TDD.

**Full-Stack Engineer, Light Infocon, Brazil, Jul 2001 – Sep 2010**

- Architected and implemented the GoldenTrack, a workflow management system compliant with the BPMN specification.
- Implemented the GoldenDoc, an electronic document management system, with fast retrieval of documents using full text search.
- Implemented BPMN visual editor and admin tools using WinForms.
- Architected and implemented several e-government web applications for state and federal governments.

**Technologies:** .Net Framework, ASP.NET WebForms, WinForms, C++, Java, Javascript, Visual Basic 6, BPMN.

## EDUCATION

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### **Graduate Degree in Artificial Intelligence and Machine Learning**

PUC Minas, Belo Horizonte, Brazil, 2026 (In progress)

### **Bachelor in Computer Science**

Federal University of Campina Grande, Campina Grande, Brazil, 1998

## LANGUAGES

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- English – Advanced
- Portuguese – Native