

CESAR SANTOS

Senior .NET Engineer

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SUMMARY

Passionate software engineer with **25 years of experience** across backend, frontend, desktop, and mobile development. **Specialized in .NET** and 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

- **Languages and Frameworks:** C#, .NET, .Net Framework, Entity Framework, Node.js, Typescript, Javascript, Python, React, Angular, AngularJS, 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

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.
- 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%.
- Migrated legacy AngularJS projects to Angular.

- 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, AngularJS, 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 system for storing, organizing and publishing statistical researches.

- Implemented microservice using .Net Core in Azure platform.
- Implemented the SP6S front-end application using Angular.
- Implemented a data collector system using Node and Typescript.
- Implemented stored procedures using T-SQL.
- Implemented tests (unit, integration, automation).
- Created CI pipelines in GitLab.
- Led a small development team to apply best practices and principles of software development.
- Mentored junior developers.
- Performed code reviews.

Technologies: .Net Core, .Net Framework, Node, Microsoft Azure, 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.
- Fixed bugs in legacy AngularJS projects.
- 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, AngularJS, 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: .Net Core, 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 desktop 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

Graduate Degree in Artificial Intelligence and Machine Learning

PUC Minas, Belo Horizonte, Brazil, 2025 (In progress)

Bachelor in Computer Science

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

LANGUAGES

- English – Advanced
- Portuguese – Native