CESAR AUGUSTO

Senior Full-Stack Engineer
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SUMMARY

A Senior Software Engineer passionate about programming with **24 years of solid background** in several areas of software development, including back-end, front-end, desktop and mobile. Specialist in **.Net** and **Node.js** with participation in projects for American startups and big market players, such as Nasdaq, Amazon and Oracle. Creative person and an enthusiastic programmer who is always learning new things and looking for professional challenges. Focused on quality and productivity, in order to help companies improve their products and services.

SKILLS

Languages and Frameworks: C#, .Net Core, .Net Framework, Entity Framework, Node.js, Typescript, Javascript, Java, Spring Boot, WinUI 3, WinForms, React, Angular, Electron, Swift, Objective-C, C, C++, T-SQL.

DBMS: SQL Server, MySQL, Postgres, Oracle, MongoDB, Redis.

Platforms and Services: AWS, Docker, Kubernetes, RabbitMQ.

Methodologies and Architectures: REST API design, Clean Architecture, MVC, MVVM, Domain-Driven Design (DDD), Microservices, SOLID, Design Patterns, Test-Driven Development (TDD), Behavior-Driven Development (BDD), Scrum methodology.

CI/CD: GitHub Actions, Jenkins, Octopus Deploy, GitLab CI/CD

EXPERIENCE HIGHLIGHTS

AgileEngine, Senior Full-Stack Engineer, Nov 2023 – Present, United States

Sherweb (Project Cumulus) - Specializes in providing competitive email and collaboration solutions to businesses and partners. Its 500,000-user customer base spans more than 100 countries. Service portfolio includes Microsoft Hosted Exchange, Office Communications Server, SharePoint hosting, Hosted Dynamics (CRM), Hosted BlackBerry (BES), Web hosting, VPS hosting, and more.

Activities and responsibilities:
- Tasks decomposition and estimating
- Optimization and bug fixing of existing code
- Development of backend RESTFul APIs
- Development of frontend functionality
- Development of command line tools
- Fixing security code vulnerabilities using Snyk
- Monitoring system events using Datadog
- Migration of legacy .Net projects

- Implementation of unit and integration tests
- Established Continuous Integration
- Code review

Technologies: C#, .NET Core, .NET Framework, NHibernate, Typescript, Angular, SQL Server, Visual Studio, Swagger, Snyk, Azure DevOps, Git, Octopus Deploy, Microsoft IIS, Microservices, Clean Architecture, Domain-Driven Design, RabbitMQ

Dashboard MT5, Senior Full-Stack Engineer (Self-employed), Jul 2023 – Present, Brazil
MetaTrader 5 (MT5) is a platform that allows you to trade Stocks, CFDs, Forex, and Futures. I'm currently developing a dashboard for the MetaTrader 5 platform. This dashboard will allow MT5 users to see their operations summarized in graphs, providing a better understanding of current data and assisting in future decision making.

Activities and responsibilities:
- Design of microservices.
- Development of backend RESTFul APIs
- Design of database schema
- Integration with third-party payment service (Stripe).
- Implementation of the frontend web application using React and Redux.
- Implementation of unit and integration tests
- Established Continuous Integration
- Code review
- Mentor junior developers.

Technologies: Node.js, React, Typescript, .NET, Microservices, Clean Architecture, Domain-Driven Design, Postgres, RabbitMQ, MetaTrader, MQL5, Docker, Kubernetes, AWS, Jenkins, GitHub Actions, Stripe, Scrum.

6Sigma, Senior Full-Stack Engineer (Freelance), Jun 2010 – Jun 2023, Brazil
6Sigma Group is a Brazilian company that operates in the statistical research and consulting market.

Activities and responsibilities:
- Design and implementation of a data colector system using Node.js and React.
- Designing of the SP6S system, a system for storing, organizing and publishing statistical researches.
- Migration of legacy systems from .Net Framework to .Net Core.
- Implementation of the SP6S server using .Net Core, Clean Architecture and DDD.
- Design and implementation of desktop admin tools for the SP6S system using WinForms and WinUI 3.
- Implementation of survey applications for interactive kiosks using WinUI 3.
- Implementation of stored procedures using T-SQL.
- Implementation of SP6S web clients using Angular.
- Implementation of desktop web app using Electron.
- Integration of the SP6S system with Excel and Microsoft PowerBI.
- Implementation of unit tests using TDD, integration tests and UI tests.
- GitLab CI/CD setup.
- Led a small development team to apply best practices and principles of software development.
- Mentor junior developers.

- Code reviews.
- Creation of technical documentations and user's manual.

Technologies: Node.js, .Net Core, .Net Framework, ASP.Net MVC, Clean Architecture, DDD, TDD, WinUI 3, WinForms, React, Angular, Typescript, Electron, SQL Server, T-SQL, Docker, Redis, GitLab CI/CD, Scrum.

Quimbik, Senior Full-Stack Engineer, Oct 2010 – Apr 2022, San Francisco, CA, United States
Quimbik is a company specializing in information technology services based in San Francisco, California. I worked at Quimbik as a Software Engineer for eleven and a half years, developing more than **20 projects** in different technologies. During my journey at Quimbik I had the opportunity to work on projects for American startups and big market players, such as Nasdaq, Amazon and Oracle.

Relevant projects:

Project 1 - NASDAQ Boardvantage, Senior Full-Stack Engineer – A system to help directors, committees, and leadership teams be better prepared, engaged, and aligned in their collaboration and decision-making processes. The NASDAQ Boardvantage is a system used worldwide by more than 4,000 organizations and 250,000 users. Outsourced by Quimbik to NASDAQ company, I've worked for two and a half years as a Full Stack Engineer.

Activities and responsibilities:
- Implementation of microservices endpoints for integration of the legacy login system.
- Implementation of microservices endpoints using Server-Sent Events and RabbitMQ for mobile application notifications.
- Implementation of the agenda feature in the frontend web application using React and Redux.
- Configuration of docker containers for running web application UI automation tests.
- Bugs fixing in the iOS legacy mobile application.
- Implementation of the new iOS application using Swift and SwiftUI.
- Implementation of unit tests using TDD, integration tests and UI tests.
- Code reviews.
- Mentor junior developers.

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

Project 2 - Amazon Employees Shares Website, Senior Full-Stack Engineer – An internal system to allow Amazon employees to buy and sell Amazon shares.

Activities and responsibilities:
- Implementation of REST API endpoints.
- Implementation of serverless functions using AWS Lambda and AWS SQS.
- Design of database schema.
- Implementation of the frontend web application using React and Redux.
- Implementation of unit tests using TDD, integration tests and UI tests.
- Code reviews.

Technologies: Node.js, Ruby on Rails, Java, Javascript, React, AWS Lambda, AWS API Gateway, AWS SQS, Postgres, MongoDB, TDD.

Project 3 - Aramark Shop Site, Senior Full-Stack Engineer – E-commerce for Aramark Corporation.

Activities and responsibilities:
- Implementation of REST APIs.
- Implementation of stored procedures using PL/SQL.
- Design of database schema.
- Implementation of the products web pages in the frontend web application.
- Implementation of unit tests using TDD, integration tests.
- Code reviews.

Technologies: Java, Spring Boot, Javascript, Oracle, PL/SQL, TDD.

Project 4 - SeatBoost, Senior Backend Engineer – A application for bid live auctions for seat upgrades.

Activities and responsibilities:
- 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, Swagger, MySQL, Postman, Git.

Light Infocon, **Full-Stack Engineer,** Jul 2001 – Sep 2010, Brazil
Light Infocon is a company specializing in information technology that provides services of textual database, document management, workflow systems and e-government solutions.

Activities and responsibilities:
- Design and development of GoldenTrack, a workflow management system compliant with the BPMN specification.
- Development of GoldenDoc, electronic document management system, with fast retrieval of documents using full text search.
- Implementation of desktop admin tools using WinForms.
- Design and development of several e-government web applications for state and federal governments.

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

Federal University of Campina Grande, **Software Engineer (Freelance)** May 2008 – Jan 2009, Brazil
I've worked as Software Engineer for Department of Electrical Engineering developing an Uninterruptible Power Supply management system.

Activities and responsibilities:
- Implementation of a desktop application using C++, .Net and WinForms.

- Processing of Ethernet, USB and serial data packages.

Technologies: C++, .Net, WinForms.

Hardcode Entertainment, Software Engineer (Self-employed), May 1997 – Aug 1999, Brazil
Hardcode Entertainment was a gaming startup supported by the Brazilian government's GENESIS/SOFTEX program. At Hardcode Entertainment, I worked as founder and Software Engineer.

Activities and responsibilities:
- Design and implementation of a 2D engine for game development.
- Design and implementation of a desktop tool to support game development.

Technologies: C++, DirectX Framework.

EDUCATION

Federal University of Campina Grande, 1998
Bachelor in Computer Science

PUC Minas, 2024 (In progress)
Graduate Degree in Artificial Intelligence and Machine Learning

LANGUAGES

- English – Advanced
- Portuguese – Native