

Eduardo Augusto Carvalho de Almeida

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Nationality: Brazilian

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Visa: Stamp 4

Personal Statement

For more than 18 years, I have been working in software engineering, coding, architecture, gathering requirements, creating database structures, developing backends and frontends, and much more.

I am not defined by one language or framework. I am passionate about coding and technology, so I am always open and eager to learn new technologies, how to improve performance, and how to create better, cleaner code by using design patterns, unit tests, and high-quality work.

I have mostly used these technologies: C#, ASP.NET Core, EF, AWS (Lambda, SQS, SNS, Cloudwatch, S3), Azure (FunctionApp, timer, and durable tasks, Networking), HTML, CSS, Javascript, Ajax, Angular, MS SQL Server, PostgreSQL, Redis, Microservices, Windows Services, NServicebus with RabbitMQ, Docker, TFS, MongoDB, Scrum, Design patterns, TDD, S.O.L.I.D, OOP and Xamarin, Android Studio.

Work history

Full Stack Software Engineer, GridBeyond, Ireland

December 2023 - today

Software and database development, gathering requirements directly from clients, creating normalized database structures, architecting and developing software from the ground:

Azure, Function App, ASP.NET Core, MSSQL, ASP.NET MVC, Entity Framework.

Key achievements:

- Azure Function App, HTTP (orchestrated durable tasks) and timer triggered, architecting and developing from the ground, related to the conversion of a legacy system into a new function app, using design patterns, clean coding, unit tests, and high performance, it aggregates and processes financial data from a Microsoft SQL database into a new specialized data structure that is consumed by other systems.
- Function app, timer triggered, also developed from the ground that processes and analyses database data to create an HTML report that is sent via email, acting as a notifier.

- ASP.NET MVC Web application development, maintenance, and creation of new webpages for the main company UI application, related to different aspects and features of different systems within the company.

Full Stack Software Engineer, Verizon Connect, Ireland

April 2019 - September 2023

Software and database development, using C# .NET Core, Microservice architecture, AWS Lambda, SQS, SNS, S3, Windows service, Angular, MSSQL, and PostgreSQL, pipeline with Octopus, Bamboo, and to support the development Kibana, Cloudwatch, Figma, Jira, Bitbucket GIT, and Lean Agile with Kanban.

Key achievements:

- Creation and maintenance of multiple Web APIs using .NET Core and microservice architecture to support Angular pages, iOS and Android Apps, and communication between other internal APIs.
Mentored junior developers and helped QAs with the development of automation projects.
- Development of a new AWS Lambda that worked as an orchestrator, receiving requests from an AWS SQS queue and then acting on it by retrieving data from multiple Web APIs and saving it in an S3 bucket.
- Upgrade of a legacy system by creating a Windows service processor from the ground, that splits the data between centralized regions, with multiple internal scheduled jobs, retrieving information in real-time from various external sources, and syncing the data into our PostgreSQL DB using CQRS Web APIs.
- Replacement of an old processor by creating a new lambda triggered by an SNS event and then transforming and forwarding the data to an NServicebus RabbitMQ.
- Leadership of an innovative architecture project that changed how we test our workflows in our Web APIs, removing external dependencies by mocking API requests and database data, with a new middleware/proxy API.
- Angular project, creation of multiple web pages, and development of endpoints that supported those pages in our Web APIs.
- Database migration from MSSql to PostgreSQL, development of scripts, functions, creation of tables, and was part of the architecture and design of new schemas.

Full Stack Software Engineer and database developer, Fundação Zerrenner

August 2017 – March 2019 (on-site)

Data analysis, gathering of requirements, architecture, creation of databases, and software development.

- Architecture and development of the primary system (database and Web APIs) that controls all the employee (80k+) information related to healthcare, the system integrates with a SAP system, and with external healthcare operators, developed using Angular, Web API, and MS SQL Server for the database.
- Database development, creation of schemas, stored procedures, and reports.

Full Stack Software Engineer, Planner Consultoria, Brazil
Oct 2014 – Jul 2017 (on-site)

- Fleet management software was developed to integrate with different types of devices and different protocols. Service that collects information related to vehicles, drivers, GPS, and events, by consuming Webservices, and Web APIs. Normalization of received data into a single structure in our database.
- Web interface for total control of vehicle's journey, creation of reports and analytical data (Angular 2, Google Maps API, .NET Web APIs). Tracking the entire route of the vehicle on a dynamic map, enabling real-time information for the customer. Routing, travel history, and reports.
- Mobile Application (C # Xamarin and Android Studio) and Web APIs, simulating a tracking device's operation. Collecting the information related to vehicle positioning, and driver identification, can also maintain the functionality offline, by saving the state and syncing it later.

Software engineer, Citigroup Inc, Brazil
Mar 2012 – Apr 2014

Working at Citibank I won a recognition award for a complex project and traveled abroad to present this and other successful projects that we have developed

- Development of a message router and processor (C# Windows Service) for communication between external systems and Citibank, using XML to format messages and send them via IBM Websphere MQ.
- Development of a web application that manages the Skill data of the employees, the front end was made in Actionscript and the backend with ASP.NET communicating through .NET remoting with FluorineFx.

Software engineer, BM&F Bovespa, Brazil
October 2009 – August 2011

It is the major stock exchange company in Brazil using high-performance distributed systems.

- Derivatives operations system - Windows Form UI and .NET backend, developed using design patterns, implementing distributed communication with FIX (4.4) binary protocol.

Web Developer and database developer, Ituran Serviços de Monitoramento, Brazil
Nov 2008 – Sep 2009

Vehicle tracking company, with an IT department for architecture and development of internal projects.

- Scheduler Manager - Built using UML, design patterns, and Windows Services), allows the user to schedule processes like FTP - Upload and Download (using Socket) and the asynchronous execution of any method that is inside of the project library through an XML configuration.
- Service Desk - (ASP.NET - C#.NET, EF) system built to track help desk support data, customer service, and inventory control. Development of reports in Reporting Services MSSQL database.

Web Development internship, 3P Informática, Brazil
Sep 2007 – Mar 2008

Development of Web applications, using Bootstrap, JQuery, ASP 3.0, ASP.NET, Microsoft SQL Server 2005, and MySQL

IT support analyst, Micrum Servicos Em Informatica, Brazil
Aug 2006 – Aug 2007

Helping to maintain IT systems within the company. Diagnosing software and hardware issues, testing new systems, and moving networks.

Education

Bachelor of Computer Science (4 years)
Universidade Nove de Julho, Brazil, 2005 - 2009
(Academic transcript available on request).

Technical High School, Colégio Torricelli, Brazil, 2003 - 2005
Electronic, certified by CREA – Council of Engineering

Languages

English (Advanced level), French (Basic level), Spanish (Basic level) and Portuguese (Native).

Certifications

IELTS – Cambridge – International English Language Testing System
TCF – CIEP – Test de Connaissance du Français
MCP - Microsoft .NET Framework 3.5 – Application Development Foundation
MCTS - Microsoft .NET Framework 3.5 – ASP.NET Application Development
MCTS - Microsoft .NET Framework 3.5 – Windows Forms Application Development
MCTS – Microsoft SQL Server 2008, Database Development

Referees

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