

I'm a full-stack developer. I've worked with frontend (HTML/CSS/JS/React/Angular), backend (Node, C#, Python), databases (SQL Server, MongoDB, PostgreSQL), infrastructure (local and AWS, using Windows and Linux), devops (Docker, CI/CD), artificial intelligence (machine learning), gamedev (Unity, Phaser, Blender), industry (OPC/PI) and more.

I've also worked with documentation (architecture, use cases, modeling databases) and many times I was the technical leader of a project, responsible by selecting the best tools, frameworks, making decisions, estimating time/costs, distributing tasks, interviewing the customer to define the requirements and helping hiring other programmers.

Instead of being overspecialized in one field/tool/tech, I prefer to use my fast-learning skills to work/help in different areas. However, I do have some skills that I have mastered for using extensively throughout the years and those follow below.

KEY SKILLS

Programming	C# and JavaScript/TypeScript (Node.js)
Database	SQL Server and MongoDB
Infrastructure	AWS EC2 and Serverless Computing

EDUCATION

Sep/2015 – Dec/2018	Master's Degree in Data Engineering Universidade Federal do Rio de Janeiro <ul style="list-style-type: none">▪ <u>Thesis</u>: Developed a Crowd Science site using Gamification and Data Quality techniques
Aug/2006 – Oct/2011	Electronics and Computer Engineer Universidade Federal do Rio de Janeiro <ul style="list-style-type: none">▪ <u>Undergraduate Thesis</u>: Developed an Android app for industrial data visualization using the OPC UA protocol

PERSONAL PROJECTS

Book Author	Building Serverless Web Applications (published by Packt)
Blog	https://zanon.dev
Q&A	https://stackoverflow.com/users/1476885/zanon
Open Source	https://github.com/diegozanon

EXPERIENCE

Jun/2018 – Present
(+3 years)

IBGE
Software Engineer

Responsible for developing and maintaining an API with more than 70 microservices to publish Brazil's official economic and social data, maps and other features, like smart searches using Elasticsearch.

May/2010 – May/2018
(8 years)

CHEMTECH – A SIEMENS BUSINESS
Software Engineer

In **8 years**, I worked on **29 projects** for **10 customers**.
Fields: Oil & Gas, Energy, Food & Beverages, Entertainment

Aug/2008 – May/2010
(~2 years)

UNIVERSIDADE FEDERAL DO RIO DE JANEIRO
Scientific Initiation

Development of a C++ program to run on ad-hoc networks to test and optimize distributed algorithms.

MAIN PROJECTS

E-commerce Website (Food & Beverages)

Development of a multi-language e-commerce website.

Activities: technical leader responsible for the development and management of the site, for the database administration and for the cloud infrastructure.

Stack: AngularJS, C#, SQL Server, AWS

International Projects (Oil & Gas; Industry Automation)

Development of projects for data visualization and system integration in industrial plants. Customers: Siemens (USA), Shell (Netherlands), BASF (Germany), Chevron (Kazakhstan) and DOW (Canada).

Activities: requirements, architecture, development.

Stack: C#, Node, React, Oracle

Resource Management (Energy)

Development of a system for resource management, cost calculations and fines.

Activities: development of web apps for managing company resources and development of ETLs to allow the use of Business Intelligence tools.

Stack: C#, VB.NET, Angular, SQL Server, ETL (SSIS), IBM Informix