DIEGO ZANON diego@zanon.dev

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 customers 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)
Databases	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

- Thesis: 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

- Undergraduate Thesis: 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