# 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

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

## EDUCATION

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| May/2021 – In progress | **PhD student in Artificial Intelligence**<br>**Universidade Federal do Rio de Janeiro** |
| Sep/2015 – Dec/2018 | **Master's Degree in Data Engineering**<br>**Universidade Federal do Rio de Janeiro** |

- Thesis: Developed a Crowd Science site using Gamification and Data Quality techniques

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| Aug/2006 – Oct/2011 | **Electronics and Computer Engineer**<br>**Universidade Federal do Rio de Janeiro** |

- Undergraduate Thesis: Developed an Android app for industrial data visualization using the OPC UA protocol

## PERSONAL PROJECTS

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|---|---|
| **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

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|---|---|
| **Jun/2018 – Present**<br>(+3 years) | **IBGE**<br>**Software Engineer**<br><br>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**<br>(8 years) | **CHEMTECH – A SIEMENS BUSINESS**<br>**Software Engineer**<br><br>In **8 years**, I worked on **29 projects** for **10 customers**.<br>Fields: Oil & Gas, Energy, Food & Beverages, Entertainment |
| **Aug/2008 – May/2010**<br>(~2 years) | **UNIVERSIDADE FEDERAL DO RIO DE JANEIRO**<br>**Scientific Initiation**<br><br>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