

# Guilherme Campos Amancio

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## About Me

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Self-taught and formally trained developer with a background in Computer Engineering and proficiency in C#, Python, JavaScript, SQL, VBA, and AI automation tools such as n8n. Strong problem-solving skills and a focus on building efficient, scalable, and automated solutions across a variety of platforms and technologies.

Outside of work, I'm passionate about game development, currently building projects in Java and Unity that combine technical skill with creative design.

## Education

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**State University of Minas Gerais - UEMG**, BS in Computer Engineering Feb 2019 – Now

- **Coursework:** Study of hardware and software systems, focusing on the design, development, and integration of computer systems, digital electronics, and embedded technologies.

**CCAA Divinópolis**, English Course Feb 2012 – Dec 2021

- C2 Proficient: 80/100 (EF SET)
- **Coursework:** Study of grammar, speaking, writing, reading, listening and vocabulary. With some other skills like cultural context and communication styles and test preparation (e.g., TOEFL, IELTS).

## Experience

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**Trainee**, Engeselt Engenharia & Serviços Elétricos – Divinópolis, MG Out 2022 – Dec 2023

- Support for the company's internal system
- VBA programming for spreadsheet optimization
- Internal optimization and automation software in Python

**Administrative Assistant**, Engeselt Engenharia & Serviços Elétricos – Divinópolis, MG Jan 2024 – Feb 2024

- Creation of software in VBA for calculations
- Organization of the company's financial database

**Automation Systems Developer**, L.IA Soluções – Divinópolis, MG June 2024 – Now

- Design and develop automated systems using programming languages like Python, JavaScript, C#
- Integrate AI models or APIs (e.g., OpenAI, Hugging Face, custom models) into business processes
- Build workflows with automation platforms like n8n, Zapier, Power Automate, or custom scripts
- Write scripts or tools to automate repetitive tasks, such as data extraction, transformation, reporting, or notifications
- Debug and maintain automation pipelines
- Use APIs to connect systems (e.g., databases, CRMs, cloud services)
- Develop simple AI-based tools like chatbots, document parsers, or recommendation engines

## Projects

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**Zombielator Survival** [itch.io/zombilator-survival](https://itch.io/zombilator-survival)

- Built a frantic, Vampire Survivors-inspired bullet-hell roguelike with escalating wave-based combat
- Tools Used: Java, Eclipse IDE, Paint.net, Aseprite

## Library Collection in C++

[github.com/acervoBiblioteca](https://github.com/acervoBiblioteca)

- Replicating a library collection for the Object-Oriented Programming course
- Tools Used: C++

## PRORDR Maker

[github.com/prordrMaker](https://github.com/prordrMaker)

- An application for generating .txt files in a specific format to be used in a DOS system during the design of electrical projects and the implementation of power networks in rural areas.
- Tools Used: Python, DOS System, Excel

## Calculator

[github.com/calculadora](https://github.com/calculadora)

- This is central coordination server of a distributed calculator system developed in Java. It communicates with multiple clients and subordinate slave calculators — both basic and special — through RMI (Remote Method Invocation) and TCP sockets.
- Tools Used: Java, NetBeans, TCP, RMI

## My First Learning Project

[github.com/firstProject](https://github.com/firstProject)

- This was one of my first web projects, built to practice HTML and introduce tabletop RPGs to new players.
- Tools Used: HTML

## Automated Excel-based Tool

2024

- Excel-based automation tool at Engeselt to manage project schedules and streamline team communication. The sheet tracked deadlines, generated task-specific emails for each team member, and included filters and safeguards to ensure accuracy and usability across departments.
- Tools Used: Excel, VBA, Python

## Ivory Tower

2021

- A report and data analysis presenting the findings of a research project investigating the role and impact of university research activities in Divinópolis, Brazil, specifically from 2010 to 2020, focusing on the UEMG (State University of Minas Gerais) Divinópolis campus.
- Tools Used: Excel, Python, R, KNIME

## L.IA Soluções - Main page

Work in Progress

- This website started as a project where I built the foundation using HTML, CSS, and JavaScript. After establishing the base structure and layout, I integrated Lovable AI to help enhance the codebase, apply modern best practices, and implement a more scalable design using modern tools and libraries. Still a work in progress.
- Tools Used: TypeScript, Python, HTML, CSS, n8n, lovable

## Technologies

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**Languages:** C/C++, Java, C#, SQL, JavaScript, Python, TypeScript, HTML, CSS, VBA

**Technologies:** .NET, MySQL, Antares, nodeJS, VSCode, Blender, Visual Studio, Unity, Apache NetBeans, Eclipse IDE, Aseprite, Paint.net, API development, n8n