

# Luiz Miguel Silva Lima

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## ● ABOUT ME

I am a Software Developer with a strong foundation in C#, C, C++, SQL and Python. Also, I am well-versed in software engineering tools and methodologies such as Django, FastAPI, .NET, Git, CI/CD, Agile and RESTful APIs.

Most importantly... I love to code.

## ● WORK EXPERIENCE

 **TRIGÉNIUS - TECNOLOGIAS DE INFORMAÇÃO** – PORTUGAL

**SOFTWARE DEVELOPER** – 11/2024 – CURRENT

Develop and maintain integrated B2B solutions for diverse clients, ensuring scalability, efficiency, and business process automation. I work closely with business stakeholders on a daily basis to deliver tailored software solutions that meet specific business demands.

**Technical Skills:** C#, .NET Framework, Javascript, Typescript, SQL, Microsoft SQL Server, RESTful APIs

**Soft Skills:** Problem Solving, Verbal Skills, Continuous Learning, Responsibility, Logical Thinking

 **SELF-EMPLOYED** – RIO DAS OSTRAS, BRAZIL

**COMPUTER MAINTENANCE** – 2016 – 2021

I assembled computers with customized configurations based on my clients needs and performed issues troubleshooting. I also, occasionally, addressed specific needs when needed, such as network installation and configuration.

During this period I acquired skills in the fields of:

- Operating Systems: Windows, MacOS, and Linux.
- Computer Networks: TCP/IP, DNS, DHCP, Router, Switch, Firewall, VPN, Wi-Fi.
- Hardware and Peripherals: Expertise with computer hardware and peripheral devices.
- Application Software: Microsoft Office, Active Directory, Remote Desktop Softwares, Screen Sharing and Remote Support Tools.

## ● EDUCATION AND TRAINING

2024 – 05/2025

**CS50 SQL** Harvard University

02/2024 – 04/2025 Lisbon, Portugal

**CYBERSECURITY EXPERT** Portuguese Institute for Employment and Vocational Training (IEFP)

**Level in EQF** EQF level 5

2024 – 2024

**CS50 PYTHON** Harvard University

2023 – 2023

**CS50X** Harvard University

2019 – 2022 Rio de Janeiro, Brazil

**ASSOCIATE'S DEGREE, SYSTEM ANALYSIS AND DEVELOPMENT** UNOPAR University (Coursework Completed – No Degree)

## PROJECTS

### Particle Sandbox Simulation – C++ with SDL3

Built a 2D sandbox simulation of particles (sand & water) using real-time physics and density-based interactions.

- Object-oriented architecture with custom physics engine logic
- Real-time rendering using SDL3
- Density-based particle movement with vertical forces, side-spread algorithms, and collision handling
- Memory handling, raw pointers, and simulation loop timing

Link <https://github.com/Aeziren/granular-lab/tree/main>

### Social Network Website

Full-featured social networking site built from scratch using Django, SQL, and Bootstrap.

- Implemented user registration, login, and profile management with Django Auth
- Features user posts, comments, and likes using RESTful APIs and AJAX
- SQLite with efficient query design for scalable performance

Links <https://youtu.be/SnUs5O5cdOQ> | <https://github.com/Aeziren/social-network>

### E-commerce Website

Marketplace website made using Django. Users can register, create their listings, and place bids and comments on other users listings.

Links <https://youtu.be/vb9f6l0mcgl> | <https://github.com/Aeziren/e-commerce>

### Backup App

Assign any folder in your system and this application will keep track of all changes on it and made a backup copy in a directory of your choice. All changes made will get logged in .txt file and in the console.

Links [https://youtu.be/769DdzG\\_GBw](https://youtu.be/769DdzG_GBw) | <https://github.com/Aeziren/folder-mirror>

## SKILLS

C# | .NET Framework | Python | Django | Django REST Framework | FastAPI | C | C++ | Microsoft SQL Server | JavaScript | Git | Unit Testing | RESTful api | Linux | CSS | HTML | CI/CD | Agile | Object-Oriented Programming | Cloud Computing (GCP)

## LANGUAGE SKILLS

Mother tongue(s): **PORTUGUESE**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C1	C1	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## DRIVING LICENCE

Driving Licence: A

Driving Licence: B