

Letícia Veiga Cena da Silva

Web Developer | Front-End Developer

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PROFILE

Web developer with a strong commitment to technology and programming. The educational background includes a Master's in Industrial Engineering and a Bachelor's in Electrical Engineering, complemented by a postgraduate qualification in Industrial Process Automation and Robotics. This combination has fostered solid problem-solving skills and computational thinking. A range of institutional and commercial projects has been developed, encompassing the creation and maintenance of websites, hosting, and dynamic applications.

Significant experience involved the role at Grasper, serving as Co-Founder, with responsibilities including the creation and management of the promotional website. This project involved setting up hosting on AWS and ensuring a consistent online presence for the organisation. Participation in the MAN4HEALTH project included collaborating on the development of a landing page in WordPress and MySQL, with a focus on scientific dissemination. Contributed to projects such as 'Swatch', which used ASP.NET and C#, and 'Chocolateria', developed in PHP and MySQL.

Key skills include HTML, CSS, JavaScript, PHP, along with experience in databases such as MySQL and SQL Server. Familiarity with version control tools like Git and GitHub is present, as well as knowledge of WordPress and Elementor for creating intuitive and functional interfaces.

A proactive and organised approach to work is maintained, with a strong ability to collaborate in team environments and a quick aptitude for learning new technologies. Seeking challenging opportunities in web and front-end development where skills can be applied and collaboration with professionals can lead to innovative solutions. Availability for discussions regarding potential contributions to a team is expressed.

KEY SKILLS | LANGUAGE

- Programs: Figma, Trello, MatLab, Microsoft Office.
- Version control: Git, Github.
- Technologies: C, C++, CSS, HTML, JavaScript, Markdown, PHP.
- Databases: MySQL, SQL Server.
- Interfaces: Elementor, WordPress.
- Teamwork, Leadership, Problem Solving, Proactivity, Organisation.
- Portuguese – Native.
- English – Experience in multicultural environments.

PROJECTS

Web Developer - "Swatch" – Associated with Web Programming

- Utilized ASP.NET, C#, SQL Server, HTML, and CSS.
- Developed a system with 6 main pages for user authentication, registration, and data management.

Web Developer - "Chocolateria" – Associated with Web Programming

- Created a PHP and MySQL web application for an online chocolate shop.
- Implemented CRUD operations and a responsive user interface.

Web Developer - "Andebol" – Associated with Web Programming

- Developed an interactive website using JavaScript, HTML, and CSS.
- Included a blog, to-do list, and hangman game for an engaging user experience.

Web Developer - CIMO CC – Associated with Electronic Engineer– Man4Health (IPB)

- Created a WordPress-based homepage with search functionality for the Centro de Investigação em Digitalização e Robótica Inteligente (CeDRI).

Web Developer - WW 4.0 – Associated with Electronic Engineer– Man4Health (IPB)

- Designed and managed an informative WordPress site for furniture production digitization at CeDRI.

Web Developer - VALLPASS – Associated with Electronic Engineer– Man4Health (IPB)

- Developed an informative site for the VALLPASS project at CeDRI using WordPress and MySQL.

Web Developer - MAN4HEALTH – Associated with Electronic Engineer– Man4Health (IPB)

- Developed and managed a WordPress site for scientific dissemination for the MAN4HEALTH project.

Web Developer - Grasper – Associated with Chief Technology Officer (CTO) and Co-Funder – GRASPER

- Built and managed a promotional website using AWS (LightSail), MySQL, Xampp, and WordPress, including domain configuration and site maintenance.

EMPLOYMENT HISTORY

Front-end Developer – Freelancer , Jun. 2024 - Current

- Freelance front-end developer, providing good solutions for the projects. Expertise includes creating engaging user interfaces, using the latest technologies.
- Committed to delivering exceptional results that meet the specific needs of each client, ensuring a positive user experience in every interaction.
- Skills: CSS, Git, GitHub, HTML, JavaScript, Markdown, MySQL, PHP, SQL Server.

Electronic Engineer– Man4Health (IPB), Sep. 2021 - Jul. 2023

- Participation in a national research project, called Man4Health, aimed at integrating automation and smart farming as soil management strategies in olive cultivation, to mitigate soil degradation resulting from excessive use of fertilisers.
- Enabled activities in electronic instrumentation, process integration and modelling, remote sensing, and work within the scope of the Internet of Things, in the area of electronic instrumentation and programming.
- Development of a low-cost measurement node for measuring different soil and air parameters, installation of a sensor network in the olive grove, and calibration of humidity and luminosity sensors. Involved datasheet analysis, test execution, project development report elaboration, and budgeting.
- Skills: Arduino, Grafana, MS Office, MySQL, Node-Red, WordPres.

Chief Technology Officer (CTO) and Co-Funder – GRASPER, Out. 2020 - Out. 2021

- Project aimed at creating an orthosis for the hands to help people with basic movement difficulties. As a Co-founder and Entrepreneur, main activities included project design, test evaluation, and development of an innovative product.
- Development of the company's business plan, contacts with partners, supporters, and suppliers, and other activities related to the pre-seed phase of the project. Awarded 3rd place for Innovative and Creative Products in the 4th edition of the National Contest for Young Entrepreneurs.
- Skills: AutoCAD , AWS Amazon, Amazon Lightsail, Figma, Ultimaker Cura, WordPress, 3D printing.

Electrical Engineer Trainee – CALIBRAFRUTA, Equipamentos Hortofrutícolas, Dez. 2019 - Fev. 2020

- Development of industrial electro-technical projects, using AutoCAD, parameterisation, and calibration of horticultural equipment, commissioning of equipment, PLC programming learning (Programmable Logic Controller), and monitoring of maintenance teams.
- Responsible for the elaboration of technical documents, bills of materials, and budgets. Developed analysis and problem-solving skills and leadership.
- Skills: AutoCAD Electrical, MS Office, NX 9.0, PLC.

EDUCATION AND TRAINING

Web Programming - (350 hours) - CINEL, Feb. 2024 – Jun. 2024

The course (350 hours) provided an immersion in the main methodologies and software development techniques focused on the web. Acquired essential skills to develop web content and applications, create and customise dynamic pages using scripting, and programme applications with access to databases. The course covered the implementation of practical projects, providing an overview of the various phases of web development.

Skills: , ASP.NET, C/C++, C#, CSS, Git, GitHub, HTML, JavaScript, PHP, MySQL, SQL Server.

Programming Logic (Javascript) - Bootcamp: iFood Power Tech (60 hours) - DIO, Nov. 2023 – Dez. 2023

The valuable educational opportunity focusing on programming logic using JavaScript. Spanning over 60 hours, the program covered foundational concepts such as algorithms, variables, and conditional structures, along with advanced topics including functions, logical operators, and JSON data manipulation. Participants engaged in an open-source project on GitHub, enhancing skills in Git, GitHub, and Agile Methodologies.

Skills: Programming (computing), JavaScript, Agile Methodologies, Git, GitHub.

Postgraduate Degree – Robotics and Automation of Industrial Processes – Uniamérica, Mar. 2023 – Mar. 2024

Understanding the applications of automation and robotics solutions to solve problems or challenges of production processes and how to implement them, focused on improving the productivity of industrial activities.

Skills: Artificial Neural Networks, Control and Automation, Automation Projects, Logistics, Measuring Instruments, Robotics, Mechatronics, Internet of Things, Microcontrollers.

M.Eng. in Industrial Engineering (Electronic Engineering) – Polytechnic Institute of Bragança (IPB), Sep. 2018 – Dec. 2019

Development of a master's dissertation on "Parameter Selection Methods in the Identification of Pathologies of the Larynx". The project allowed the use of audio signal processing, developed between September 2018 and December 2019, with the application of Neural Networks and Machine Learning techniques.

Skills: Artificial Intelligence, Machine Learning, Neural Networks, Programming, Industrial engineering, Matlab, Signal Processing.

Bachelor's Degree in Electrical Engineering - Federal University of Technology - Paraná (UTFPR), Mar. 2014 – Jul. 2020

Participation in a scientific initiation project starting in 2015, with research in Didactic Development at the Laboratory of Optics and Modern Physics and hands-on practice with Arduino and Raspberry Pi. In early 2017, research was carried out at the Laboratory of Signal Processing and Applications in Quantification of Cumulative Vocal Cord Vibration Using Accelerometer.

Skills: Matlab, Microcontroller, Signal processing, Programming (computing).

HONOURS & AWARDS

3rd place - Innovative and Creative Products - 4th edition of the National Contest for Young Entrepreneurs, Mar. 2021

In 2021, the MOH team, with an innovative idea, was awarded the "Innovative and Creative Products" award, winning 3rd place.