

Jessica de Paula Ladislau

Software Engineer | UI UX Developer

Location: Moses Lake, WA, USA | **Phone:** +1 509 289-9978 | **Email:** paula.jfe@gmail.com

LinkedIn: <https://www.linkedin.com/in/jessica-ladislau> | **Portfolio:** <https://paula-jfe.github.io>

SUMMARY

Software Engineer with 4+ years of hands-on experience in building scalable, user-centered web applications. Skilled in modern frontend technologies including React, Redux, Context API, TypeScript, Micro Frontends using Module Federation and ASP.NET Core APIs, with additional expertise in Python for ETL pipelines and data engineering. Proven ability to collaborate across global teams, align technical delivery with product goals, and enhance user experience (UX) and user flows. Known for an analytical mindset with a background in Electronic Engineering and a Master's in Technological Innovation with research in data classification using PCA. Combines user-centered design and technical excellence to deliver scalable, impactful software. Software engineer currently based in the U.S. under an L-2S visa, legally authorized to work in the United States.

SKILLS

Proficient: Vanilla JavaScript (ES6+), React, Redux, Context API, REST APIs, Micro Frontends (Module Federation), HTML, CSS, Jest, React Testing Library (RTL).

Intermediate: TypeScript, Python, Git, Elasticsearch.

Beginner: SQL, Node.js, GraphQL (TigerGraph), Figma, UX, Docker, C# ASP.NET Core.

PROFESSIONAL EXPERIENCE

Software Engineer

Dell Technologies, São Paulo, BR – Remote

Sep/2021 to Apr/2025

Core Responsibilities:

- Built and maintained micro-frontend (MFE) components using React, Redux, Material UI, Design System components, within a Module Federation (Webpack 5) and Single-SPA architecture, enabling independent team deployments and improving frontend scalability across multiple apps.
- Implemented Test Driven Development (TDD) with Jest and React Testing Library, resulting in a stable codebase with high test coverage 96% and reducing bugs during QA, which reduced rework cycles.
- Collaborated with UX designers and product managers as a manual QA tester to review user flows and interface behavior, regularly proposing UI enhancements that directly addressed usability issues and improved the overall user experience.
- Developed ETL pipelines in Python and GraphQL queries to extract data from TigerGraph and index it into Elasticsearch, enabling dynamic frontend filtering and fuzzy match search capabilities.
- Collaborated with a global team on the development and maintenance of ASP.NET Core REST APIs, customized CI/CD pipelines, resolved security vulnerabilities, actively participated in Agile ceremonies, and contributed to a high-quality codebase through GitLab merge requests and peer code reviews.

Key Technologies and Tools: JavaScript, TypeScript, React, MFE, Redux, Material UI, HTML, CSS, Jest, React Testing Library (RTL), Webpack 5, Single-SPA, ASP.NET Core, Python, GraphQL, Elasticsearch, Git, CI/CD.

Full Stack Developer

Payface, Florianópolis, BR – Remote

May/2021 to Sep/2021

Core Responsibilities:

- Developed responsive user interfaces using React, TypeScript, HTML, CSS, and Material UI (MUI), with a strong focus on user experience.

- Ensured code quality through consistent unit testing with Jest and React Testing Library, contributing to a more stable and maintainable codebase.
- Maintained and refactored code to improve performance, readability, and modularity, supporting ongoing feature development with minimal technical debt.
- Actively participated in Agile ceremonies, including sprint planning, refinement, and retrospectives, and used Git and Bitbucket for version control, code reviews, and pull requests.
- Integrated requests of Node.js REST API endpoints, ensuring seamless data flow between frontend components and backend services.

Key Technologies and Tools: React, TypeScript, JavaScript, Redux, HTML, CSS, Material UI (MUI), Jest, React Testing Library (RTL), Git, Bitbucket, Node.js.

Web Developer - Summer Job

Trybe, Belo Horizonte, BR – Remote

Jan/2021 to Apr/2021

Core Responsibilities:

- Reviewed and validated educational content for early modules of a software development course and developed frontend micro-projects to help students practice and enhance their development skills through hands-on experience.
- Provided structured, consistent feedback on student projects and exercises covering HTML, CSS, JavaScript (ES6), React, Redux, Context API, and unit testing using Jest and React Testing Library (RTL).
- Collaborated in sprint-based review cycles, utilizing Slack for communication and GitHub for code management, contributing to a cohesive and supportive learning environment.
- Managed packages and dependencies with NPM, ensuring scalable and well-organized project structures.
- Integrated APIs with Node.js and Express as part of student projects and learning activities to perform CRUD operations and demonstrate technical concepts.

Key Technologies and Tools: React, Redux, Context API, JavaScript, HTML, CSS, Jest, React Testing Library (RTL), Node.js, Express, NPM, Git, GitHub.

EDUCATION

Master's Degree in Technological Innovation

Universidade Federal de São Paulo, São Paulo, BR

jan/2020 to dec/2022

Bachelor Thesis: PCA Statistical Method for Classification of Sensors. Applied Principal Component Analysis (PCA) using Python, Scikit-learn, Pandas and Anaconda to reduce the dimensionality of sensor data, extract meaningful features, and improve classification accuracy using machine learning models.

Bachelor's Degree in Electrical and Electronic Engineering

Universidade Paulista, São Paulo, BR

jan/2011 to dec/2015

Bachelor Thesis: Analysis of Residential Electricity Consumption. Developed a web based monitoring interface to display real time household energy consumption data collected by Arduino.

CERTIFICATES/COURSES

Elasticsearch (Moving forward with Elasticsearch), School of Net, BR

Feb/2023

Full-stack Web Development (1500 hours), Trybe, BR

Sep/2021

Web Application Security, Udemy, BR

Aug/2021

SCRUM Fundamentals for Agile Project Management, Grupo Voitto, BR

May/2020

LANGUAGES

English: Advanced.

Portuguese: Native.