

Carla Rodrigues Maturo

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Skills

JavaScript, HTML, CSS, Python, Node.js, React, SQL, APIs, AWS, MongoDB, AI tools, Large Language Models, UI/UX design, User-Centered-Design (UCD) Canvas, Web Accessibility

Experience

Invest Decoded — Founder, Software Engineer (part-time)

Investments Learning Platform

React | Next | AWS | Stripe | Auth0 | JavaScript

April 2025 – Present

- Designed and built a bilingual investments learning platform offering gated educational content based on user payment status.
- Developed a secure backend using Node.js, AWS Lambda, API Gateway, Amazon S3, DynamoDB.
- Created a frontend with React, Next and Context API to manage user roles (free vs. paid) and protect gated content based on payment status.
- Integrated Auth0 for user authentication and streamlined login/signup flows.
- Implemented internationalization (English/Portuguese) using a custom React Context and language toggle functionality to make sure the platform is accessible
- Stripe payment checkout with webhook logic to support premium subscriptions.
- Wrote tests using Jest
- Used Git and GitHub for version control
- Translated Figma wireframes into production ready, responsive React components using reusable hooks and Context API for state management.
- Improved app load performance via code-splitting and lazy loading.

Software IQ — Full Stack Developer (Part-time)

B2B Software Analytics Platform

React | Python | JavaScript | MongoDB | AWS | Stripe | Auth0

Feb 2024 – Present

- Developed a full-stack SaaS platform to visualize trends, KPIs, and performance metrics across the software industry.
- Built modular React components using Material UI and AG Grid for interactive tables, filters, and index dashboards.
- Engineered backend data pipelines in Python to collect and process structured and unstructured industry data from different APIs.
- Stored and queried datasets with MongoDB for analytics at scale.
- Deployed scalable serverless functions using AWS Lambda, CDK, and Amazon S3.
- Integrated Auth0 for authentication and Stripe Checkout with webhook logic to support premium subscriptions.
- Collaborated in an agile environment using Git, GitHub, and pull requests for version control and code reviews.

Springboard — Software Engineering Student, Peer mentor.

Jul 2023 – Oct 2024

- Participated in an 800-hour comprehensive course covering front-end and back-end web development, data structures, and algorithms.
- Developed a solid understanding of web technologies including JavaScript, React, Redux, Node.js, Express, TypeScript, Python, PostgreSQL, Flask, and testing frameworks.
- Created multiple full-stack projects as part of the coursework.

RareCyte — Reagent Manufacturing / Quality Control Associate

Jun 2022 – Feb 2024

- Supported all production of medical device reagents ensuring GMP and GLP guidance was applied.
- Performed quality control tests on circulating tumor cell reagents and staining control slides.
- Conducted data analysis using Python, RStudio, and Excel to support assay validation and quality assurance.
- Provided supporting documentation for assay transfers.
- Drafted technical reports, managed product nonconformities, and created standard operating procedures (SOPs).

Education

Bachelor of Science in Chemistry

Instituto Federal do Rio de Janeiro

Springboard

Software Engineering Program, Certificate

Certificates

Udemy

The Ultimate Agile Scrum Master Certificate Training

Udemy

LLM Engineering: Master AI, Large Language Models & Agents

Udemy

Introduction to Web Accessibility WCAG 2.1

EDX Platform- Institute of Product Leadership

UX/UI Design Fundamentals