

Amanda Aquino

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Education Level

Technologist Degree (In progress)

Uninter/Celso Lisboa - Systems analysis and development 4/2022 - 4/2025

PhD in Science – Area: Chemistry (Complete)

Federal University of São Carlos - Sciences 3/2013 - 6/2018

Professional experience

Company: Certsys – Remote – São Paulo – Brazil.

Job Title: Junior Systems Analyst (1/2024 - My current job)

Main activities performed: ** Analyze and Document customer requirements for business processes.

** Create process models and workflows using business process modeling tools.

** Test the solutions developed.

Perform other tasks related to the position, as directed by the manager. Tools: HTML, CSS, JavaScript, and IBM Cloud.

Company: ENGTECH – Remote – WorldWide

Position: Developer (4/2022 – My current Job)

Main activities performed: *Construction and deployment of websites using React and NextJS

(<https://www.amandaaquino.site/> - ReactJS Website under construction; <https://www.pedroaquinoconsulting.com> - NextJS website - under construction)

Company: Soma Group - Somalabs: Hering, Farm, Fabula and others.

Position: Developer (7/2022 - 5/2023)

**Main activities performed: Web developer: Assisted in the web development of responsive graphical interfaces (web and mobile) to make more than R\$4 million worth of clothing and accessories visible for sale, developing dashboards (with spreadsheets and graphs) using the following HTML, CSS, Javascript, ReactJS, Material UI, ApexChart, agile method/Jira, bitbucket/github code versioning and figma/system design tools.

Company: EMS - Pharmaceutical industry

Position: Researcher - Development and validation of analytical methods (6/2019 - 4/2022)

**Main activities performed: • Quantitative chemical analysis of active pharmaceutical ingredients and medicines – using statistics and excel. Production of reports and analytical reports.

Software such as: Empower, Labsolution, Hystar, Expert Design, Minitab, Statistica, Octave, Matlab, Dataanalysis, Openchrom, MSPProject, Excel, Microsoft Office, etc.

Scientific research, bibliographic reviews (both in scientific databases and in Brazilian, British (BP), European (EP), American (USP), Japanese pharmacopoeias as well as in “DMF” Drug Master Files);

Company: UFSCar – Federal University of São Carlos – São Paulo – Brazil.

Position: Researcher (3/2013 - 6/2018)

Main activities performed: “Chemical Differentiation of four species of Bauhinia ssp”.

Experience in: Analytical chemistry, Chemometrics (mathematical methods applied to chemical data to search for patterns), statistics, planning experiments,

Development of methodology for HPLC, LC-MS, LC-HRMS, LC-SPE-NMR, structural elucidation.

Achievement: Latest Certification

Back-End and DevOps – 2023/2024

Python for Data Science, AI & Development – 2024

IBM Professional Certificate - 26 hours

Apply Python programming logic Variables, Data Structures, Branching, Loops, Functions, Objects & Classes.

Demonstrate proficiency in using Python libraries such as Pandas & Numpy and developing code using Jupyter Notebooks. Access and web scrape data using APIs and Python libraries like Beautiful Soup. Keywords: Data Science, Data Analysis, Python Programming, Numpy, Pandas.

Introduction to DevOps – 2023

IBM Professional Certificate - 12 hours

The essential characteristics of DevOps including building a culture of shared responsibility, transparency, and embracing failure.

The importance of Continuous Integration and Continuous Delivery, Infrastructure as Code, Test Driven Development, Behavior Driven Development.

Essential DevOps concepts: software engineering practices, cloud native microservices, automated continuous deployments, and building resilient code.

The organizational impact of DevOps, including breaking down silos, working in cross functional teams, and sharing responsibilities.

Keywords: CI/CD, agile, Devops, TDD/BDD, Cloud Native

Introduction to Front-End/Back-End Developer – 2023

Meta Professional Certificate 36 hours - (Distinguish between front-end, back-end, and full-stack developers; Create and style a webpage with HTML and CSS; The benefits of working with UI frameworks; Web Development Tools; Responsive Web Design.)

Developing Back-End Apps with Node.js and Express – 2023

IBM Professional Certificate - 12 hours

Create APIs and perform CRUD operations on an Express server using Session & JWT authentication.

Use Async/Await or Promises with Axios in Node.js; Create REST API endpoints and test them using Postman.

Meta Front-End Developer Professional Certificate - 2023

***Advanced React – 26 hours**

Create robust and reusable components with advanced techniques and learn different patterns to reuse common behavior.

Interact with a remote server and fetch and post data via an API; Seamlessly test React applications with React Testing Library.

Integrate commonly used React libraries to streamline your application development, Unit Testing.

***Basic React - 26 hours**

Use reusable components to render views where data changes over time.

Organize React projects to create more scalable and maintainable websites and apps.

Use props to pass data between components. Create dynamic and interactive web pages and apps.

Use forms to allow users to interact with the app; Build an application in React.

***Programming with JavaScript - 42 hours** Creating simple JavaScript codes.

Creating and manipulating objects and arrays; Writing unit tests using Jest.

Object-Oriented Programming (OOP); Test-Driven Development.

*Systems Analysis and Development Technologist

Subjects studied:

Course Title	Description
Administration of information systems and Programming language 1 – 130 hours	Create dashboards and control panels for organizational decision-making using Power BI.
Algorithms – 100 hours	Develop metrics and indicators for decision-making, build metrics maps, and learn Python programming basics.
Basic statistics – 150 hours	Apply statistical tools for decision-making, including creating decision trees.
Construction and analysis of indicators – 50 hours	Understand indicators, indices, and scales, and their importance for management.
Introduction to Calculus – 50 hours	Learn basic calculus concepts using Excel.
User-centered Design – 50 hours	Implement Design Thinking methodology to analyze user problems, generate solutions, and validate ideas through feedback. Experience designing a Minimum Viable Product (MVP).
Agile Development – 50 hours	Understand and apply Agile principles and techniques like user stories, test-driven development, and continuous integration. Familiar with various Agile frameworks like Scrum and Kanban.
User Experience (UX) – 50 hours	Possess foundational knowledge of UX principles, including information architecture, usability, and human-computer interaction. Completed a project focused on improving the usability of Facebook Marketplace.
Project Management – 50 hours	Familiar with the Scrum framework, including team roles, events, artifacts, and transparency principles.

***Orange Tech +:** This bootcamp covered programming logic, JavaScript, HTML, CSS, Typescript and React technologies
Description: This bootcamp covered programming logic, JavaScript, HTML, CSS, Typescript and React technologies - 78 hours.

Achievement: Articles published

Articles published in High Impact Factor Magazine - Demonstrating skills with software and data processing:

Front. Chem., 23 May 2022 | <https://doi.org/10.3389/fchem.2022.800729>

Ind. Crops. And Product, 17 Jan 2019 | <https://doi.org/10.1016/j.indcrop.2019.01.040>

Languages

Portuguese language

Level: Native/Fluent

English language

Advanced level

Website and Social Media

LinkedIn: <https://www.linkedin.com/in/amandajaquino/>

www.amandaaquino.site