

David Pessoa

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PROFESSIONAL SUMMARY

Recently graduated Software Developer with a degree in Computer Science, with hands-on experience in Full Stack development, Python Back-end, and React Front-end. Experience working in Agile environments (Scrum and Kanban), developing REST APIs, serverless microservices on AWS, integrating relational databases, and participating in academic and professional projects involving AI, LLM, and RAG. Fluent in English.

EXPERIÊNCIA PROFISSIONAL

20DASH – Full Stack Developer – Internship (09/2025 – 12/2025)

- Developed microservices using **AWS Lambda (Serverless)** with the **Chalice Framework**;
- Implemented **RESTful APIs** integrated with **PostgreSQL** databases hosted on **AWS RDS**;
- Developed web interfaces using **React.js** and **Vite.js**, applying component-based architecture and state management;
- Collaborated on **front-end** and **back-end** integration, ensuring efficient service communication;
- Applied clean coding practices, version control with **Git**, and task organization in an agile environment.

Elevential – Back-end Developer – Internship (11/2024 – 01/2025)

- Developed **back-end** features using **Python** and **Django**;
- Implemented integrations with **PostgreSQL** databases, ensuring data integrity and security;
- Contributed to front-end development using **JavaScript**, **HTML**, **CSS**, and **Bootstrap**, creating responsive interfaces;
- Participated in agile workflows using **Scrum** and **Kanban**;
- Contributed to the maintenance and continuous improvement of the **web system**.

Mackleaps – Front-end Developer – Voluntary (03/2023 – 11/2023)

- Led a team of 6 members in the **front-end development** of a web application for meteorological data visualization
- Developed dynamic interfaces using **React.js**, **JavaScript**, **HTML**, and **CSS**
- Implemented responsive layouts focused on user experience
- Applied teamwork, organization, and Agile methodologies (**Scrum** and **Kanban**)
- Acted with **technical leadership** in an applied academic project

EDUCATION

FIAP – Postgraduate Program in Full Stack Development (03/2026 – Present)

Universidade Presbiteriana Mackenzie – Bachelor's Degree in Computer Science (02/2022 – 11/2025)

Academic Project – Final Graduation Project (Capstone)

- Development of a system based on Large Language Models (**LLM**) using Retrieval-Augmented Generation (**RAG**) architecture;
- Implementation of a context retrieval pipeline using **Python**;
- Performance evaluation of **AI models** applied to Environmental Law;
- Comparative analysis of responses generated by models with and without RAG.

HABILIDADES

- **Languages:** Python, JavaScript, TypeScript, SQL, C/C++;
- **Back-end:** Django, Flask, Chalice, APIs RESTful;
- **Front-end:** React.js, Next.js, Svelte, HTML, CSS, Bootstrap;
- **Cloud & DevOps:** AWS, Docker, CI/CD;
- **Databases:** PostgreSQL, SQLAlchemy, Alembic;
- **Tools:** Git, GitHub, Postman, Swagger, npm, Linux;
- **Best Practices:** Clean Code, SOLID, Unit Tests;
- **AI & Data:** LLM, RAG, Applied Artificial Intelligence;
- **Soft Skills:** Agile methodologies, English Fluency, Communication, Organization, Teamwork.