David Pessoa

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About

Passionate Software Developer with a Bachelor's degree in Computer Science, and beginning a professional career. Eager to deepen my knowledge in both front-end and back-end development, and driven by a strong curiosity for the latest and most innovative technologies used in the industry.

Professional Experience

20DASH – *Fullstack Developer* (09/2025 – 12/2025)

At the end of 2025, I worked as a Full-Stack Developer intern at 20DASH. On the back end, I collaborated on the development of microservices-based systems using AWS Lambda (serverless) with the Chalice Framework, integrated with a PostgreSQL database hosted on AWS RDS. On the front end, I contributed to interface development using React.js with Vite.js, focusing on reusable components, best practices in state management, and seamless API integration.

Eleventual – *Back-end Developer* (11/2024 – 01/2025)

During my internship at Eleventual, I actively collaborated in the development of a web system using the Django framework (Python), implementing integrations with a PostgreSQL database to ensure efficiency and security in back-end data management. On the front-end, I contributed to JavaScript coding and applied the Bootstrap framework to create responsive and user-friendly interfaces. The project was managed using agile methodologies such as Scrum and Kanban.

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

In 2023, I volunteered at the junior enterprise Mackleaps, where I led a team to develop the front-end of a web application aimed at displaying weather data for the Mackenzie campus. I used technologies such as HTML, CSS, JavaScript, and React.js to build dynamic and responsive interfaces. The experience required leadership, organization, teamwork, and knowledge of agile methodologies such as Scrum and Kanban.

Academic Education

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

Performance evaluation of LLM-based with RAG application for answering Environmental Law questions (Bachelor's Thesis)

Liceu de Artes e Ofícios de São Paulo – Electronics Technical Degree **(01/2018 – 11/2020)**

SKILLS

- **Linguages:** Python, JavaScript, SQL;
- **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, npm, Linux;
- **Best Practices:** Clean Code, SOLID Principles, Unit Tests;
- **AI & Data:** LLM, RAG, Applied Artificial Intelligence;
- **Soft Skills:** Agile methodologies, English Fluency, Communication, Organization, Teamwork.