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 – *Web Developer* (09/2025 – Present)

I currently work as a Web Developer at 20DASH. On the back end, I collaborate on system development using tools such as AWS Lambda (serverless) with the Chalice framework, which is like Flask (Python). For PostgreSQL database integration and manipulation, I use libraries such as SQLAlchemy, ensuring efficiency and scalability, and Alembic, automating database migrations. On the front end, I contribute to interface development using React.js, focusing on reusable components, good state management practices, and seamless integration with the platform's APIs.

Eleviential – *Web Developer* (11/2024 – 01/2025)

During my internship at Eleviential, 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 (02/2022 – 11/2025)

Bachelor's Degree in Computer Science

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

Liceu de Artes e Ofícios de São Paulo (01/2018 – 11/2020)

Electronics Technical Degree

Skills

Python | Django | Flask | Chalice | AWS | Docker | PostgreSQL | SQL | SQLAlchemy | Alembic | Javascript | HTML | CSS | React | Next | Node.js | npm | Bootstrap | API RESTful | JSON | Git | Postman | CI/CD | Unit Tests | SOLID Principles | Clean Code | Agile methodology | English Fluency | Communication | Organization | Teamwork