



Pedro Reichow

Software Developer

📍 Florianópolis, Brazil

📅 July 22, 1997

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🔗 pdrago97

SKILLS

Python 3 yrs ██████████	Javascript 3 yrs ██████████
Backend 3 yrs ██████████	Frontend/React 2 yr ██████████
Data Science 3 yrs ██████████	Machine Learning 1 yr ██████████

INTERESTS

Computer Vision, Augmented Reality, Games **Renewable Energies, Engineering**

Computer Science/Programming **Machine Learning/Deep Learning**

DevOps, Cloud computing, GitOps, DevSecOps **Electronics/Hardware**

SmartSheets automations

LANGUAGES

English
Advanced
██████████

Portuguese
Native
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Pedro Reichow

Software Engineer with experience in Fullstack and Data intense applications with a background in electrical engineering

Work Experience

- Worked on electrical projects and conducted maintenance routines
- Developed electronic products
- Worked as a software developer using mainly Python and Javascript to build systems and interfaces, automate processes (RPA), extract and transform data for data analysis(ETL), and integrate systems.
- Currently works on Simulated Reality software engineering team, serving customers in the healthcare field with VR experiences with a Content Management System, built on a node/react on the backoffice, and 3D apps, games, and Movies, built on Unity.

Motivation

My primary objective is to engage with innovative technology in order to enhance and streamline the lives of individuals and businesses. I strive to refine production code, making it more efficient and user-friendly for future programmers and artificial intelligence systems, thereby simplifying their tasks.

LATEST WORK EXPERIENCE

QiTech Fullstack Python/React Developer	(March 03, 2022 - February 01, 2023)	Simulated Reality Fullstack Engineer	(February 01, 2023 - Present)
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As a Fullstack Software Developer at QiTech, my key responsibilities encompassed:

- Crafting scalable Python backend solutions for financial microservices, such as bank-as-a-service and credit collaterals.
- Developing interactive, responsive web interfaces for data and service interaction with NextJS.
- Implementing Test-Driven Development (TDD) with pytest for rigorous testing.
- Utilizing Kubernetes and cloud technologies for efficient application deployment and management.
- Automating routines and messaging for improved efficiency.
- Adhering to best practices in software architecture, design patterns, and data governance.
- Leveraging GCP and Grafana for application reliability and observability. Catering to the specific needs of the Brazilian SaaS market.

🔗 <https://qitech.com.br/>

ALL PROFESSIONAL EXPERIENCES

AJX Tech Electric/Mechanical Production Assistant	(May 01, 2015 - February 01, 2016)	Projeto Novos Valores Electrician Assistant	(March 10, 2016 - December 10, 2016)
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Internship in the field of electrical and mechanical production. I carried out the assembly and validation of projects for nautical towers in piers and marinas. Assembled electrical panels, hydraulic connections, and structural components. I also contributed to the sizing and production of electrical projects.

The "New Values" program was a project by the government of the state of Santa Catarina aimed at introducing students from technical courses to the job market. Upon entering the program, I was assigned to the position of electrical services assistant, where I had the opportunity to experience the routine of services in all state public offices in the capital city. I was involved in implementing electrical projects, performing maintenance on machines and electrical installations, and improving my report-writing skills.

At Jiggly Kids, I had the opportunity to work as an assistant in electronic and mechanical assembly and production in the field of electric children's vehicles. My responsibilities included sizing and assembly of electronic components, maintenance of direct current motors, assembly and soldering of chassis, and overall structural testing.

Jiggly Kids Electronic/Mechanical Production Assistant	(February 10, 2017 - August 10, 2017)	Decathlon Customer Service Assistant	(January 10, 2018 - March 10, 2018)
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Customer Service Representative: Cash Handling, Customer Assistance, and General Customer Service

🔗 <https://www.decathlon.com.br>

Hostgator Technical Support Junior	(September 10, 2018 - June 01, 2019)	Beiramar Shopping Maintenance Technician	(June 10, 2019 - May 01, 2020)
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My first taste of the tech world was nothing short of enlightening. I joined a tech support team where I got hands-on experience helping customers with their issues and questions. This direct user interaction allowed me to quickly grasp the basics of HTML, CSS, PHP, Wordpress, along with essential web hosting tools like Cpanel and WHMCS. Working in web hosting support made me understand the importance of helping small businesses make their digital debut, as well as ensuring big companies maintain top-notch performance and reliability online (zero downtimes). This experience underscored how tech can be a game changer for businesses of all sizes.

🔗 <https://www.hostgator.com.br>

Intelbras Product Development Technician	(November 10, 2020 - May 10, 2021)	Fontes Promotora Software Engineer	(May 10, 2021 - October 01, 2023)
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Junior

I was a key player in the development team for analog cameras. This role encompassed a diverse range of tasks including the meticulous creation of technical documentation, conducting rigorous tests, and validating features and specifications. I worked on solutions for industrial manufacturing, which involved strategic negotiations with international suppliers. In addition to these specific duties, I performed a wide range of general engineering tasks integral to electronic product development. This included designing and prototyping, performing feasibility studies, conducting failure mode and effect analysis, planning and executing product certification, and collaborating with cross-functional teams to ensure the successful execution of the product from concept to launch.

🔗 <https://www.intelbras.com/>

Fontes Promotora Software Engineer	(May 10, 2021 - October 01, 2023)	Fontes Promotora Software Engineer	(May 10, 2021 - October 01, 2023)
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Junior

My role as a Software Engineer included developing backend software for internal services using Python and JavaScript, showcasing my ability to employ multiple languages in solving complex problems. My work went beyond just coding, as I was also engaged in webscraping, automating tasks, and performing sophisticated data modeling and cleansing. I contributed to software architecture decisions, applying design patterns to create efficient, scalable solutions. I regularly employed a range of powerful tools and technologies, including MongoDB, PostgreSQL, Django, Flask, FastAPI, Node.js, ReactJS, along with cloud services such as AWS EC2 and AWS Elastic Beanstalk. My ability to navigate these diverse technologies demonstrated my adaptability and willingness to stay current in an evolving technological landscape.

Furthermore, my role involved cross-functional collaboration with other teams, communication with stakeholders, and mentoring junior team members. My contributions positively impacted the overall software development lifecycle, leading to more efficient, high-quality, and robust applications.

In addition, I have also worked with Smartsheets automation using Python to integrate project management with backend APIs. This involved leveraging the Smartsheets API to automate tasks and streamline project workflows. By integrating Smartsheets with backend systems, I facilitated seamless data synchronization, real-time updates, and improved collaboration between different teams and stakeholders.

Using Python, I developed scripts and applications to interact with the Smartsheets API, allowing for the retrieval and manipulation of project data, creation of new sheets, updating existing sheets, and tracking progress. This integration helped bridge the gap between project management tools and the backend software systems, enabling efficient coordination and enhancing overall productivity.

My experience with Smartsheets automation further highlights my ability to leverage diverse technologies and APIs to create comprehensive solutions that address complex business requirements.

🔗 <https://fontespromotora.com.br/>

Fundação Citeb Software Engineer	(October 10, 2021 - March 01, 2022)	Pecsmart Software Engineer	(October 01, 2022 - January 01, 2023)
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Junior

My work involved the design and development of intuitive front-end projects on Windows, Mac, and mobile platforms for large companies, with a keen focus on enhancing user experience and usability. A notable project was creating a system to capture images and videos seamlessly across Windows and Mac interfaces. This system not only provided robust feature capturing capabilities but also included a feature similar to streaming platforms for recording screens and cameras. In building these solutions, I utilized technologies like React for the user interface, Node.js for the backend services, and Electron to ensure desktop application compatibility across both Windows and Mac platforms. This project showcased my ability to merge technology with user-centric design, resulting in a well-received product that met the users' needs while ensuring a smooth, intuitive interface.

Intern

At Pecsmart, I worked part-time as a Backend Software Engineer:

- Utilized Python and Django for developing IoT integrations with bespoke devices.
- Integrated Django APIs with MySQL relational databases and Raspberry Pis via Balena CLI.
- Collected smart data like silo fill levels, animal coughs, and AI-assisted measurements like pig weight via volume estimation in images.
- Provided intelligent tracking of key production indicators in animal farming.

🔗 <https://www.pecsmart.com.br/>

CERTIFICATIONS

Technician in Electronics

Instituto Federal de Santa Catarina

EDUCATION

Universidade Federal De Santa Catarina (July 01, 2017 - July 01, 2022)
Bachelor, Electrical Engineering

I completed four semesters of electrical engineering, during which I learned the foundations of mathematics, calculus, statistics, computer science, and programming. However, I had to leave the program due to schedule conflicts with my full-time job.

⇒ <https://deel.ufsc.br/>

Estácio de Sá (February 01, 2021 - July 01, 2023)
Superior in Technology, Systems Analysis and Development

The Systems Analysis and Development course teaches students to design, document, specify, test, implement, and maintain computer systems and software. Brazil ranks 9th in the world in investments in IT. The course trains professionals to meet new job market demands, including skills in various system development platforms, system analysis and modeling, and database management and IT governance.

⇒ <https://estacio.br/>

IFSC - Instituto Federal de Santa Catarina (July 10, 2014 - July 10, 2018)
High School / Technician, Electrotechnics / Electronic Technician

The Integrated Electrical Engineering Technician curriculum covers a wide range of subjects over eight phases, totaling 4,080 hours, including supervised internships. Students learn language, mathematics, physics, chemistry, biology, technical drawing, computer skills, electrical installations, electrical circuits, electrical design, industrial controls, power systems, electromagnetism, and electronics. The curriculum provides a comprehensive foundation for a successful career in electrical engineering.

⇒ <http://sites.florianopolis.ifsc.edu.br/eletrotecnica/>

PROJECTS

My Professional Portfólio

Just my professional card.

⇒ <https://pdrago97.github.io/Portfolio-Pedro/>