

Sofia Bersan Pereira

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EDUCATION

- BA, Civil Engineering

2010-2016

Universidade FUMEC, Belo Horizonte, Brazil

- English Language Course

Florida Institute of Technology, Melbourne, USA

- High School Junior Year (Exchange Program)

LeMars Community School, Iowa, USA

EMPLOYMENT

Software Engineer , Eve Air Mobility (Remote)

June 2022 – Present

- Develop backend systems for Urban Air Traffic Management using Python and Django.
- Work in agile teams to deliver real-time, georeferenced data solutions.
- Build distributed and secure applications, ensuring formal verification and validation.
- Create and maintain APIs (REST, OpenAPI), support simulations and prototyping.
- Collaborate on software integration, testing, and customer verification phases.
- Stack: Python, Django, Redis, Celery, Flower, MySQL, Docker, Linux.

Junior Software Developer, Hacker Hang, Florida, USA

Jan 2021 – Apr 2022

- Developed and maintained a Ruby on Rails application for class scheduling and user booking.
- Built RESTful APIs, modeled databases with PostgreSQL and MongoDB.
- Deployed application on Heroku and configured CI/CD pipelines with GitHub Actions.
- Taught coding (Python) and Git/GitHub to students, participated in Agile development cycles.

Police Cadet, Sheriff's Department, Los Angeles, USA

Mar 2019 – Dec 2020

- Dispatch calls for service to the appropriate units, responds to calls for service, and assists Sheriff's personnel.
- Answer phones, assist callers as needed.
- Work with the public.
- Patrol the interior of the campus, patrol the parking lots, and ensure compliance with all parking rules and regulations, and issue citations to vehicles not in compliance.
- Provide courtesy escorts, lost property collection.

Manager, Surubim na Brasa, Minas Gerais, Brazil

Jan 2016 – Dec 2018

- Oversaw day-to-day operations, financial control, and strategic planning across departments.
- Managed accounts payable/receivable, payroll, and cash flow.
- Led purchasing processes and negotiated with suppliers to optimize cost-efficiency.
- Coordinated team schedules and performance, ensuring high customer satisfaction.
- Implemented waste reduction strategies and streamlined inventory management.

Construction Site Assistant, HB Engenharia, Minas Gerais, Brazil

Jan 2015 – Dec 2015

- Provided technical support to engineers during the execution of a mid-sized office construction project.
- Monitored site logistics, material usage, and compliance with safety and engineering standards.
- Assisted in project documentation, drawing reviews, and quality control procedures.

Planning and Budgeting Intern, Encop Engenharia, Minas Gerais, Brazil

Apr 2013 – Nov 2014

- Supported cost estimation, budgeting, and procurement planning for infrastructure projects.
- Conducted input price research, assisted with BDI calculations, and maintained budget tracking.
- Collaborated with project managers to align cost control with scheduling and execution.

SKILLS

Languages & Frameworks: Python, Django, Django Ninja, FastAPI, JavaScript, TypeScript, React, Vue.js, HTML, CSS, SQL, Ruby on Rails, Pydantic, Ruby, Ruby on Rails, Rust.

Databases & Tools: PostgreSQL, MySQL, MongoDB, Redis, Celery, Flower, Docker, Git & GitHub, Heroku, AWS, REST APIs, OpenAPI.

Practices & Methodologies: Agile (Scrum), CI/CD (GitHub Actions), Software Development Standards, Debugging, Unit Testing, TDD.

Other: Jira, Linux, Stripe Integration, Application Monitoring, Client Communication.

Languages: Portuguese and English.