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About: I am a software engineer and former mathematician. The language I most like is Python, but I also have experience with Go, JavaScript (and TypeScript), SQL and, of course, Git. I also have experience with Containers (Docker, Podman), and orchestration tools (OpenShift, Kubernetes, Helm, Operator SDK). I like the quality and automation areas, and I also have experience with web development. I like to work with the Linux Operation System. I am Proactive, detailed, determined and I am always seeking to improve myself and learn more!

Education

Mathematics - Bachelor Degree, Federal University of Santa Catarina (UFSC), Florianópolis, Santa Catarina
2014 - 2020

Experience

Software Engineer, Red Hat
June 2023 - Currently

December 2022 - Currently

Activities: Acting in the development, planing and support of the [OADP](#) project: an operator to restore data from a same OpenShift cluster or to migrate it to another cluster.

I work with Go, Bash, GitHub, Linux, OpenShift, Kubernetes, Operator SDK and Clouds (Amazon and IBM). Planing and work in English.

December 2022 - June 2023

Activities: Acting in the development, planing and support of the [Pelorus](#) project: an operator to monitor the Dora metrics of a project, using Prometheus and Grafana to store and visualize the data.

I worked with Python, Bash, GitHub, Linux, APIs integration, Podman, OpenShift (Kubernetes), Helm, Operator SDK and Clouds (Amazon and IBM). Planing and work in English.

Developer II, Buser Brasil

November 2022

Activities: Acting in the performance improvement of database queries of the application. Working if Django (Python framework), Sentry and Honeycomb.

Junior Software Developer, Fundação CERTI, Florianópolis, Santa Catarina
October 2020 - July 2022

May 2022 - July 2022

Activities: Maintenance of German company's Python Framework for testing real and simulated devices and implementation of new tests. Client structure being GitLab.

Acting in the creation of project's continuous integration pipeline, implementation of it's quality metrics, containerization with Docker and implementation of project's documentation deploy.

March 2022 - April 2022

Activities: Updating the internal site of Fundação CERTI to change the usage of PHP and Vue.js to Node.js and React (and Typescript).

Acting in the creation of the new backend's structure of the site, it's continuous integration pipeline, implementation of it's quality metrics and containerization with Docker.

October 2020 - February 2022

Activities: WEB project and desktop application (beyond translation of calculations code in Visual Basic to Python), from national company, involving Python (PyPy, FastAPI, SQLAlchemy, Numpy, Pandas) in the Backend, JavaScript (TypeScript, Node.js, React) in the Frontend, PostgreSQL in the database. All the code being continuous integrated by Jenkins, having quality measures by tests, linter and SonarQube and containerized with Docker.

Acting in the creation of structure of the site's frontend, definition of the database's structure (along the client and mechanical/petroleum engineer team), revisions and implementations (both in the backend and in the frontend) and automation. Beyond that, I was one of the leaders of the team (which consisted with development, QA, UX and mechanical/petroleum engineer squads). Planning and working following some of the agile methodologies principles.

August 2021 - January 2022

Activities: Legacy Linux embedded project with WEB interface (HMI), from German company, involving C++ in the device, JavaScript (Meteor) in the Backend and Frontend, SQLite in the database. Code being continuous integrated by GitLab, having quality measures by tests, linter and containerized with Docker.

Acting in the implementation of improvements of the continuous integration of the repositories and automation improvements with Python. Planning and working in English.

Scientific Initiation Scholarship, Federal University of Santa Catarina (UFSC), Florianópolis, Santa Catarina August 2019 - February 2020

Activities: Research focused in Computer Graphics.

Laboratory of Mathematical and Technological Studies (LEMAT) Scholarship, Federal University of Santa Catarina (UFSC), Florianópolis, Santa Catarina March 2019 - July 2019

Activities: Application, development and update of project files.

Regional Mathematical Olympiad of Santa Catarina (ORM) Journal Scholarship, Federal University of Santa Catarina (UFSC), Florianópolis, Santa Catarina March 2016 - March 2017

Activities: Application and development of training files; correction and development of test files; update of journal master file.

Tutorial Education Program in Mathematics (PET Matemática) Scholarship, Federal University of Santa Catarina (UFSC), Florianópolis, Santa Catarina March 2015 - February 2016

Activities: Application and development of training files; teaching in pre-university preparatory course; teaching and elaboration of L^AT_EX and Matlab mini courses.

Programming
languages and
tools

Python (FastAPI, pytest, unittest, argparse)	Go (Ginkgo, Cobra)
JavaScript (TypeScript, Node.js, React, Jest)	Git
Linux, Bash	SQL, PostgreSQL
Docker (Docker Compose, Podman)	AWS, IBM Cloud
Kubernetes (OpenShift)	Helm, Operator SDK
GitHub, GitLab, Bitbucket	HTML, CSS (Bootstrap)
Prometheus, Grafana	

Languages

Portuguese: native	Spanish: basic
English: fluent	German: basic
French: basic	