



Pedro Gomes Branquinho

Engineering Physicist & Software Developer

-  October, 07, 1997
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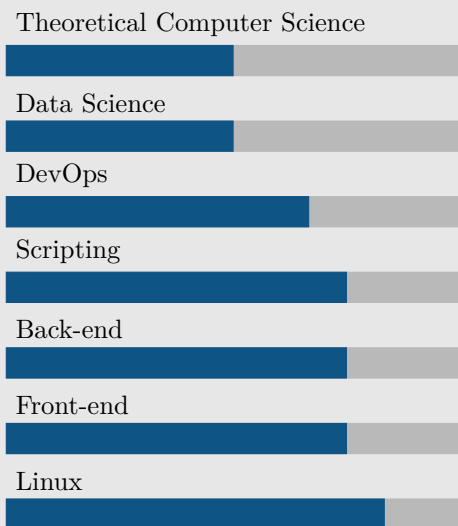
About me

I'm a Software Developer with strong background in STEM. I have knowledge in both Front and Backend, as well as an advanced knowledge of Statistics and Scientific Computing.

I have worked in Industry automating billing and reports for big and small companies. Also, I have profitable solo projects with Crypto Trading Bots.

Currently working as a backend engineer.

Skills



Professional Interests

- Full-stack Development.
- Microservices.
- DevOps.
- Data Science.

Formal Education

2016 - 2022	Graduation Engineering Physics	São Paulo University, USP
2023 - 2024	MBA Software Engineering	Faculdade Full Cycle de Tecnologia, FCTECH

Electronic Publications

2021	Industry (Flow Finance) - Automate billing and Ledger history.
2021	Industry (Lupo S.A.) - Automate technical reports with Clojure/LaTeX.

Jobs – Industry and Academia

2024	Orasis Holding - Jun/2024 SAGA pattern using Go. Modeling and architecting highly performant and scaling solution with a microservices-focused design. Among the technologies used, RedPandas (Kafka), Cadence, Prometheus, Grafana, PostgreSQL, Postman, Swagger, REST APIs and gRPC.	Developer
2022/2023	FACTI - Dez/2022-Aug/2023 Working on an application to facilitate the accountability of projects, which have been funded by the government. The technologies used are Clojure, Vanilla JavaScript, Angular, JQuery, Express.js, Bootstrap and Material UI.	Developer
2021/2022	Café do Bem (NPO) - Aug/2021-Current I created the website https://cafe-do-bem.company.site/ , which is a platform to sell coffee. The mission of this Non-profit Organization is to revert all monetary gain, back to the coffee community (housing, food and basic education, as well as specialization courses).	Volunteer (Free time)
2021/2022	University of São Paulo - Sep/2021-Mar/2022 Modeling Traffic Flow, with Julia and Python - numerical solution to Partial Differential Equations (PDEs). Modeling Traffic Flow, with Julia and Python - numerical solution to Partial Differential Equations (PDEs).	Researcher
2021	FlowFinance S.C.- Jun/2021-July/2021 I developed an application, single-handily, to perform the Ledger and Clarence of billing data coming from BIORC, in CSV format. The technology used was Clojure.	Developer
2021	Lupo S.A. – Jan/2021-May/2021 Wrote software to automate Technical Reports, while working at WJB Engenharia (wjbsegurançadotrabalho.com.br/), as a Contractor firm to Lupo S.A.. We performed the Safety Analysis and Inventory of all the machinery from the company.	Developer

Languages and Fluency

Portuguese: Native.
 Inglês: **C2 Level** (click to open certificate).



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CV Virtual _____



(Personal Presentation online)

Certificates

Google Go Specialization by UCI - Irvine

Getting Started with Go: Basic syntax and Data Structure.

Functions, Methods and Interfaces: Object Orientation in Go.

Concurrency in Go: Advanced features in Go.

Backend by Meta (former Facebook)

Introduction to Back-End Development: Agile, TDD etc.; the infrastructure of the web, HTTP, CTP and other Protocols..

Version Control: Practices with Git and Github.

Programming in Python: Syntax, and Object Orientation.

Responsive Web Design by freeCodeCamp

Responsive Web Design: CSS syntax; Selectors; Bootstrap and other Frameworks.

Introduction to Docker: Build Your Own Portfolio Site by Coursera

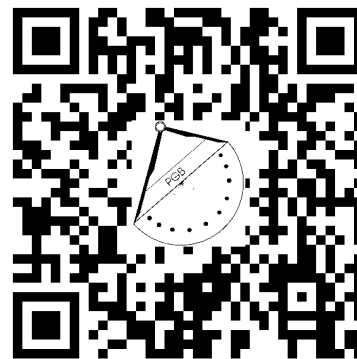
Introduction to Docker: Build Your Own Portfolio Site: Launch a web-application using Docker; learn to download, upload and use containers.

English certification by EF Education First

EF SET Score - C2 English test, based on European Standards - 78 points, giving the C2 score, at the maximum-range.

Aggregate-website, with Certifications

Link: <https://buddhilw.github.io/bug-free-fiesta/>





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Electronic Publications

- 2020 [Machine Learning, with R](#) - while enrolled in [Multivariate Statics](#).
- 2020 [Introduction to L^AT_EX](#), P1.
- 2020 [Essential Commands in L^AT_EX](#), P2.
- 2020 [Bibliographical References, Citations and Beamer Presentations](#), P3.
- 2020 [A Minicourse on L^AT_EX](#) - Material available on YouTube (Portuguese).

Extracurricular Experiences - While at University

- 2022 *Programming in Python* Meta
Course on Algorithms and Datastructures using Python.
- 2022 *Version Control* Meta
Course on Git, Github and Version Control practices.
- 2022 *Introduction to Back-End Development* Meta
Course on how the Web Works, HTTP, REST, APIs, TDD and best practices.
- 2022 *Google Go Specialization* University of California (UCI)
Three courses exploring Golang syntax, Object Orientation and Concurrency
- 2021 *50 personal projects and collaborated in 26.* GitHub
My current [status on GitHub](#) (08/2021)
- 2020 *Performance (Really) Matters* ACM
Emery Berger on the use of Scalene to perform software optimization.
- 2020 *International Congress on Funcional Programming* Penn University
I learned about the state of the art on Programming Languages.
- 2020 *Introduction to Git and GitHub* Google
Part of the specialization, *Google IT Automation with Python*
- 2019 *Clojure for the Brave and True* Text Book
Introductory self-study of Clojure.
- 2018 *Arch Linux Install* Linux Architecture
I learned how to install Linux from scratch and configure a hole functional Desktop; used systemd, DWM as window manager and Emacs as my editor.
- 2017 *Emacs, SLIME, Common Lisp* Open Source
When I started my interest on programming and Funcional Languages. I followed the book "ANSI Common Lisp", *Paul Graham*.
- 2017 *Ubuntu Linux* First Install
My objective was to use Emacs, which do not run smoothly on Windows.