Felipe Miguel Nery Lunkes

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Personal profile and professional goals

Interested in acting as a **backend developer** (in C, Python, Java and SQL), or as **a DevOps developer**. I have experience in project development using C, Python, Java and x86 Assembly languages, as well as code maintenance in the git system. Experience and mastery of Unix-like systems such as Linux, FreeBSD and macOS, as well as shell scripting. Graduated as a computer technician (2013) and graduated in Biological Sciences (emphasis in Biotechnology and Health) from UFMG. In my spare time, I'm interested in studying and developing operating systems and associated projects, as well as projects in low-level programming. I always try to update myself in the most used languages and frameworks. I'm looking for my first opportunity in the development market and to improve myself in the area, applying what I've learned from my projects to products.

Professional experience

2021-2023 | Master's Student - René Rachou Institute/Fiocruz Minas - Belo Horizonte, Brazil

- Master's in Health Sciences at IRR/Fundação Oswaldo Cruz;
- Project that aims to functionally characterize *Schistosoma mansoni* proteins.

2016-2020 | Undergraduate Student - René Rachou Institute/Fiocruz Minas - Belo Horizonte, Brazil

- Student of Scientific Initiation (IC) during graduation.

2013-2014 | Computer Instructor - Centro de Apoio Comunitário Serrano - Belo Horizonte, Brazil

- IT instructor for children and seniors during and after completing the technical course;
- Fellow associated with the federal program TELECENTROS.BR, which aims to democratize access to technology.

Projects, portfolio and technologies

- C:
  - Development of an operating system **(PX-DOS)** derived from the Public Domain Operating System;
  - Development of an operating system from scratch **(Lunix OS)**, to practice programming logic and software structure in C;
- Python:
  - Use of Python to create a frontend for tools that run on the command line. Mainly using Tkinter and derivatives, targeting Linux and FreeBSD (WSL on Windows is also supported);
  - Creating small programs to study algorithms in Python;
- Java:
  - Building tools that connect to databases (MySQL) to store and retrieve data.
- x86 Assembly:
  - **Hexagonix Operating System** (2015-current) is a simple, Unix-like operating system developed completely in Assembly for the x86 architecture. In addition to the kernel, I've developed a series of tools, utilities and libraries that allow the system to be expanded by anyone interested. The aim of the project was to practice logic that could be applied in any high-level language. In addition, I wrote extensive documentation in Portuguese and English. More at: **github.com/hexagonix**;
  - Creation of a basic operating system **(Bin OS)** in 2013, to practice baremetal programming.

Skills and interests

- Fluent Portuguese (native) and advanced English (C1);
- Domain of the Office package (including open source alternatives) and statistical packages (R and Prism);
- Domain of C, Python, x86 Assembly, shell script (Unix-like systems), SQL (see **projects)** and Markdown;
- Familiarity with Java, JavaScript, VisualBasic and C++;
- Domain of versioning tools, such as git (including use of the command line tool);
- Self-taught in several programming languages;
- Good communication and teamwork;
- Interested in computing history, emulation and preservation of historic software.

Academic background

2021-2023 | Master's Degree in Health Sciences - Instituto René Rachou/Fiocruz Minas - Belo Horizonte, Brazil

- Degree in Health Sciences at IRR/Fundação Oswaldo Cruz;

2016-2020 | Graduation in Biological Sciences - Universidade Federal de Minas Gerais - Belo Horizonte, Brazil

- Graduation with emphasis in Biotechnology and Health;

2011-2023 | High school with computer technician - Escola Técnica Vital Brasil - Belo Horizonte, Brazil

- Technical formation for developers;
- Contact with Pascal, C, HTML/CSS, SQL, Java and VisualBasic, in addition to disciplines related to hardware and robotics.

Portfolio and contact

- GitHub
- LinkedIn
- LinkTree
- Twitter
- Instagram
- Currículo Lattes (Brazil)

This curriculum was built entirely in Markdown.