

Contact

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(LinkedIn)
cielicas.codes (Portfolio)

Top Skills

Linux
DevOps
Docker

Languages

Inglês (Professional Working)
Espanhol (Elementary)
Português (Native or Bilingual)

Certifications

Estatística com Python parte 1:
Frequências e Medidas
Foundations of Project Management
Python Pandas: Tratando e
analizando dados
Python 3 parte 1: Introdução à nova
versão da linguagem
Hábitos: da produtividade às metas
pessoais

Franciélio Castro

DevOps Engineer | Go | Linux | Cloud
Brazil

Summary

Computer Science student focused on DevOps, cloud infrastructure, and system reliability.

Hands-on experience with:

- Linux system administration and automation
- Containerization and CI/CD pipelines using Docker
- Distributed workloads and scheduling with SLURM (HPC)
- Monitoring and observability with Prometheus and Grafana
- Infrastructure to support AI and LLM workloads

Currently involved in research and applied projects related to HPC and AI platforms.

Actively seeking internship opportunities in DevOps, Cloud, or Infrastructure Engineering, where I can learn from experienced teams and contribute to real-world systems.

Experience

TechNE Cluster
DevOps Intern
May 2025 - Present (10 months)
Teresina, Piauí, Brasil

Worked in a DevOps-oriented infrastructure environment, supporting the operation and reliability of a high-performance computing (HPC) cluster.

Administered Linux-based systems, including user management, permissions, networking between nodes, and basic system hardening.

Automated infrastructure provisioning and configuration using Bash/Shell scripts, applying DevOps principles of repeatability and consistency.

Managed distributed workloads using SLURM, handling job scheduling, resource allocation, and execution in a clustered environment.

Containerized services with Docker to improve portability, reproducibility, and operational efficiency.

Implemented monitoring and basic observability with Prometheus and Grafana to track system and workload metrics.

Developed a FastAPI middleware to expose local cluster LLMs (Gemma-3-27b) to web interfaces, enabling secure external access to HPC resources.

CNPq

Research Student

September 2025 - Present (6 months)

Teresina, Piauí, Brasil

Supported DevOps and infrastructure automation for the development of a semi-automated annotation tool for radiological findings in mammography images.

Built and standardized Linux-based environments for deep learning training and inference, ensuring reproducibility across experiments.

Automated dataset preparation, preprocessing, and experiment execution using Python scripts and shell automation.

Organized and versioned datasets, code, and configuration files to support reliable experimentation and collaborative workflows.

Worked with containerized environments using Docker to standardize execution of AI workloads.

Supported the integration of trained models into internal tools used by researchers and clinicians, enabling human-in-the-loop validation.

Education

Universidade Federal do Piauí

Bachelor's Degree, Computer Science · (June 2024 - December 2027)

EBAC - Escola Britânica de Artes Criativas e Tecnologia

Associate's degree, Software Development · (March 2023 - March 2025)

Universidade Federal do Piauí

Bachelor of Engineering, Electrical Engineering · (August 2019 - December 2023)