

Matheus Fracalossi

DevOps Engineer

IFMS - Federal Institute of Mato Grosso do Sul, Nova Andradina, Brazil

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EDUCATION

- **Technologist Degree in Systems Analysis and Development** 2022–2025
IFMS - Federal Institute of Mato Grosso do Sul, Nova Andradina, Brazil GPA: 8.2/10
Key Courses: Distributed Systems, Databases, Software Engineering, Systems Security and Web Development.

PERSONAL PROJECTS

- **Rails on Docker** 🔗 Source code
Containerization-focused project: Docker environment to run a Ruby on Rails application reproducibly, simplifying setup, development, and stack execution via containers.
 - Multi-container orchestration with Docker Compose (Ruby 3.1.6 + PostgreSQL 18.3)
 - Volume configuration for data persistence and host/container directory mapping
 - Automated installation of dependencies and gems on container startup
- **Server Status** 🔗 Source code
Bash script for server monitoring: displays real-time CPU, RAM, and disk usage metrics along with the system's most resource-intensive processes, following the project proposed by roadmap.sh.
 - CPU, RAM, and disk usage collection via native Linux tools (`top`, `free`, `df`)
 - Listing of top 5 processes by CPU and RAM consumption using `ps aux` with flag-based sorting
 - Command output parsing with `grep`, `awk`, and `sed` for formatted value extraction
- **Log Archive** 🔗 Source code
Rust CLI tool for log archiving: compresses directories into `.tar.gz` files with automatic timestamps and maintains an operation history — containerized with a Docker multi-stage build.
 - Log compression into `.tar.gz` with timestamp-based naming (`YYYYMMDD_HHMMSS`)
 - Multi-stage Dockerfile: isolated build on `rust:trixie` and minimal final image on `debian:trixie-slim`
 - Support for Docker volume mounting (`-v`) to process host log directories inside the container
- **IP Calculator** 🔗 Source code
Web application for IPv4 addressing calculations: subnetting, network mask, broadcast, and available hosts — with an automated CI/CD pipeline via GitHub Actions for build and deployment to GitHub Pages.
 - Calculation of network address, broadcast, first/last host, and IP class from CIDR notation
 - CI/CD pipeline with GitHub Actions in two chained jobs: *build* (minified Vite + Tailwind) and *deploy* with artifact passing between jobs
 - Automated deployment to GitHub Pages triggered on every push to the `main` branch via `peaceiris/actions-gh-pages`

PROFESSIONAL EXPERIENCE

- **Support Analyst** Sep/2024 – Oct/2025
Sistemas Ganso Nova Andradina, MS
 - On my own initiative, built an NSIS tool that automated ERP installation, configuration, and updates — previously manual tasks — shared with team colleagues.
 - Provided technical support to ERP clients, handling ticket resolution and addressing recurring operational questions.
- **Intern** Jul/2024 – Sep/2024
Sistemas Ganso Nova Andradina, MS
 - Supported the ERP team in daily operations and ticket triage, contributing to the organization and prioritization of demands.
 - Applied customer service best practices in a dynamic environment, ensuring clear communication and efficient resolution of requests.

TECHNICAL SKILLS AND INTERESTS

Technical Skills: Docker, Git, GitHub Actions, Linux, AWS, Terraform, PostgreSQL, Vagrant, VirtualBox

Theoretical Foundation / In Progress: Kubernetes, Ansible

Languages: Portuguese (Fluent); English (Advanced); German and Spanish (Basic)

Soft Skills: Problem solving, critical thinking, creativity, productivity

Courses & Certifications: Master DevOps: AWS, Docker, Kubernetes, Terraform & GitOps (Udemy); Git & GitHub (Udemy); AWS Academy Cloud Foundations Graduate