

João Renner Rudge

Computer Science Undergraduate at University of São Paulo

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Summary

Interested in distributed systems, container orchestration (Docker and Kubernetes), computer networking, server management, DevOps workflows, embedded systems, hardware prototyping, with a background in security.

Some of my projects include a RTL-SDR based web radio that transmits real time tower communications from Congonhas Airport, a decentralized messaging application based on Tor and P2P communication, and a home-made server that runs my personal k8s cluster (you can read more about my projects on my github).

Work Experience

(04-2022 → 12-2023)

University of São Paulo – Penetration Tester – Internship

Worked with the University's IT Superintendent João Eduardo Ferreira to scan, pentest and access the security of the corporate systems of the University. Supervised by professor Daniel Macêdo Batista.

(01-2024 → 12-2024)

VirtualiSurg – DevOps Engineer – Internship

Focused on developing and improving VirtualiSurg's CI-CD pipelines, managing GitLab and GitHub runners, and automating Unity development processes in the company.

Education

(01-2020 → 12-2024)

University of São Paulo – B.Sc. in Computer Science

Skills

languages	Portuguese (native) English (fluent) Spanish (intermediary)
fields	Software Engineering, DevOps, back-end, Embedded Systems Site Reliability Engineering
experience	linux (filesystems, networking, architecture), server management, operating systems, container orchestration, TCP/IP networking, hardware prototyping, microcontroller development
tools	Git, Kubernetes, Docker, GitHub Actions, GitLab CI/CD, Caddy
programming	Bash, C, C++, Python, Javascript, Java, Julia ...