João Renner Rudge

Computer Science undergraduate at USP

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Summary

Interested in software engineering, container orchestration, computer networks, paralel computing, scalability, DevOps workflows and embedded systems, with a background in security.

Work Experience

(04-2022 → present)

University of São Paulo – Penetration Testing Intern

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 Macedo Batista.

Education

(01-2019 → 12-2019)

University of São Paulo – B.Sc. in Computational and Applied Mathematics

(01-2020 → 12-2024)

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

→ Leader and organizer of IMEsec's activities from 2021 to 2023, including multiple computer security competitions and classes.

→ Coached the development of a 3D educational game for the Agile Methods Course MAC0472.

Extracurricular Activities

IMEsec — Leader and Organizer of Activities

IMEsec is a Information Security focused group that teachers classes, and organizes and participates in Capture The Flag competitions.

→ Organized and hosted IMEx 2022 and 2023, computer security competitions in the form of a CTF.

→ Organized and taught Hacker Starter Course, a computer security course, taylored to begginers, in 2022 and 2023.

→ Participated in multiple CTFs representing IMEsec.

HardwareLivre USP — Member

HardwareLivre is an open source hardware focused group, formed mostly by current or past university students.

Relevant Projects

LeServer

Since 2019 I maintain a home server that runs multiple selfhosted projects, including a locally and remotely accessible filesystem, multiple websites, a home media server, a smart light system completely written and assembled by me, a Telegram notifications bot and multiple data collection microcontrollers.

Pudimnetes – github.com/LeRenner/pudimnetes

Pudimnetes is the migration and implementation of all my running services to kubernetes. As of now, all my critical infrastructure and current projects run inside k8s.

Skills

languages	Portuguese (native) English (fluent) Spanish (intermediary)
fields	Software Engineering, back-end, Site Reliability Engineering, embedded systems
experience	web servers, operating systems, container orchestration, linux filesystems, TCP/IP networking, scalability, microcontroller development
tools	Kubernetes, Docker, Caddy, Nginx, Apache
programming	Python, C++, C, Bash, Javascript, Java, Julia …