



Pedro Pastorello Fernandes

Software Engineer / SRE

👤 Profile

Information Systems student that is passionate about coding, cybersecurity, privacy on the web, Cloud computing, Linux, the free software movement and blockchains. Has experience with development and IT operations and infrastructure.

★ Work values

- Respect above anything
- Clear communication
- Sincerity
- Teamwork and collaboration
- Knowledge sharing
- Organization and clean code
- Automate everything

🎓 Graduation

Computer Information Systems Bachelor, Universidade de São Paulo, São Carlos, São Paulo

Janeiro 2017 — Presente

Expected graduation in 2022

💼 Employment

Site Reliability Engineer na Chainstack

Junho 2022 — Presente

Site Reliability Engineering work to support the operation and reliability of many different blockchain client nodes running in a multi-cloud and multi-tenant container infrastructure environment.

The job included writing IaC code and scripts and doing maintenance and troubleshooting work related to the infrastructure services and the blockchain nodes themselves.

Worked with Kubernetes using different cloud providers such as Amazon Web Services, Google Cloud Platform, Microsoft Azure, Digital Ocean, Virtuozzo Cloud and bare metal servers.

Mainly worked with logging and monitoring infrastructure for the blockchain clients, dealing with blockchain concepts such as storage, ledger head lag / sync status, WebSockets and general networking latency and reliability.

Network Site Reliability Engineer na iFood

Março 2021 — Presente

Contact me

São Carlos

Brazil

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Social networks

[Linkedin](#)

[Github](#)

Idiomas

Brazilian Portuguese

English

Skills / technologies

Google Cloud Platform

Amazon Web Services

Kubernetes

Docker

Service Mesh

Linux

Golang

Python

JavaScript

Shell script

C

Networking

SSL certificates, encryption, security best practices

Git / collaborative oriented development

CI/CD tools and automation

Blockchain nodes operation

Systems observability

Terraform / IaC practices

Was responsible for maintaining the Layer 7 Network and border components of the technology infrastructure. This included Kong API Gateway, NGINX Ingress Controller, Akamai Edge platform.

Hobbies

Gaming, reading, music, podcasts, coding, Linux.

We worked on defining the best strategy for our network communication for requests coming from our apps and for internal system communication, implementing company wide solutions for authentication, authorization, rate-limiting, routing and tracing of the requests.

The job included work on monitoring and alerting, with focus on availability and performance optimization. Also included writing run-books and documentation, troubleshooting and doing maintenance work, discussing systems architecture, researching and defining patterns for the company, helping developers with problems, developing automation tools and mainting IaC repositories.

DevOps Engineer na Raccoon Digital Marketing

Setembro 2019 — Março 2021

Was responsible for mantaining the technology infrastructure on our Cloud environment, including a Kubernetes cluster and CI/CD pipelines. Was also responsible for helping teams in their software delivery process, in preventing and responding to incidents with production impact.

The day-to-day activities consisted in installing and maintaining infrastructure software and platforms, providing observability and security for the services. This way, I have familiarized myself with monitoring, dealing with logs and distributed tracing. I also got in touch with network configuration, routing, load balancing, reverse proxies and SSL certificates. ☐☐☐☐☐☐

Something that was also part of the job was to implement and help spread DevOps movement and culture in the technology teams, for example, developing automation scripts and helping breaking the knowledge silos between the operations and development teams.

(Internship) Automation Developer - Raccoon Marketing Digital na Raccoon Marketing Digital

Março 2019 — Setembro 2019

I worked as an developer intern on an Digital Marketing agency. My role was to write scripts that automated the other teams' work.

The scripts were focused on tasks such as automatic filling of sheets with data from many sources, and sometimes firing alerts based on marketing metrics. Also helped the data science team to write and deploy metric forecasting scripts. It was common to write libraries, wrappers for APIs and auxiliary scripts to be consumed by the Automation team. ☐☐☐☐☐☐

Had experience with dealing with clients (other employees from the company), this taught me about soft skills like expectation

management, and deep diving to understanding others' day-to-day work so I could find solutions to their problems.