


Rodrigo Menezes

Site Reliability Engineer


Personal Info

Born in Brazil and relocated to the US at age 14, I am a Site Reliability Engineer with over 10 years of experience. Skilled in both startup and established corporate environments, I am always thrilled to take on new challenges. Known for my excellent communication skills, I thrive as both a team player and independent contributor.

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Work Experience

Airtable

November 2022 – Present

Software Engineer

- ▶ Leading the development and implementation of strategies for Kubernetes reliability and scalability, including multi-cluster deployments, the adoption of node-problem-detector for automatic node issue remediation addressing critical incidents, implementation of node-local-dns-cache to address DNS issues and the introduction of multi-instance types per node group to circumvent AWS resource limits.
- ▶ Spearheaded IPv6 compatibility for airtable.com, ensuring compliance with customer demands.
- ▶ Implemented a Kubernetes upgrade process standardizing the upgrade path and cadence.
- ▶ Designing and automating Kubernetes upgrade testing suite, reducing the risk of system incidents and ensuring smooth version transitions.

Tesla

June 2022 – November 2022

Site Reliability Engineer, FleetNet Team

- ▶ Contributed to upstream Concourse CI developments to support multi-architecture Docker image builds, facilitating broader application deployment capabilities.
 - ▶ Successfully migrated a critical application from a VM to Kubernetes, which is essential for the cryptographic signing of software updates dispatched to all Tesla vehicles. This migration significantly improved deployment efficiency and security.
 - ▶ Participated in a team effort for a major Kubernetes cluster upgrade and transitioned to new Container Network Interfaces (CNIs), contributing to enhanced network performance and reliability.
 - ▶ Played a pivotal role in preparing Kubernetes clusters for migration to ARM architecture, with the strategic objective of reducing operational costs.
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Site Reliability Engineer

- ▶ Worked with a team to create the infrastructure for migrating most stateless services to Docker, enhancing service scalability and deployment efficiency.
- ▶ Built and maintained a Kubernetes infrastructure, significantly reducing operational burdens for developers and ensuring a stable, up-to-date platform.
- ▶ Implemented continuous end-to-end integration testing for Kubernetes, guaranteeing system reliability during updates.
- ▶ Designed and implemented chaos engineering strategies to validate application resilience and compliance with Kubernetes standards.
- ▶ Contributed as a major owner to the Kops OSS project within the Kubernetes organization, aligning project goals with Pinterest's needs and fostering community engagement.
- ▶ Facilitated the onboarding process for new hires through interviews, mentorship, and training.

Site Reliability Engineer (Contract)

- ▶ Supported development teams and assisted in migration to a new deployment tooling.

DevOps Engineer

- ▶ Managed scaling operations for multiple applications, achieving rapid growth in user base and daily active users.
- ▶ Developed and deployed a CI/CD infrastructure, doubling the previous deployment rate and enhancing release testing capabilities.
- ▶ Oversaw a Docker-centric environment, leading efforts in configuration, deployment, and automation with Chef.
- ▶ Transitioned AWS hosted environments to an in-house data center, optimizing infrastructure efficiency.

Linux Systems Engineer

- ▶ Supported development and QA teams, interfacing directly with customers when required.
- ▶ Spearheaded virtualization initiatives, enhancing system scalability and reliability.
- ▶ Managed AWS infrastructure across 2 different regions

Systems Administrator

- ▶ Implemented comprehensive monitoring solutions.
- ▶ Virtualized entire infrastructure improving systems reliability and flexibility.
- ▶ Managed Windows and Linux infrastructure across 3 locations.
- ▶ Managed and operated E-commerce platform.

⌘ Skills

Programming Languages	Platforms	Tools
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Golang Python Bash

Linux AWS Docker Kubernetes
XenServer VMware

Chef Puppet Foreman Sensu
Grafana Icinga LogStash Cacti

Jenkins Git Spinnaker MySQL
Cassandra

🔗 Languages

English
Fluent

Portuguese (BR)
Native Speaker

♥ Interests

Hiking Reading Woodworking Open Source