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.

rodrigomenezes.com

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San Francisco Bay Area, United States

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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 multicluster 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.

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.

Pinterest September 2016 - March 2017

Site Reliability Engineer (Contract)

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

Hive March 2016 - September 2016

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.

LiveVox April 2014 – March 2016

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

Cogent Solutions & Supplies

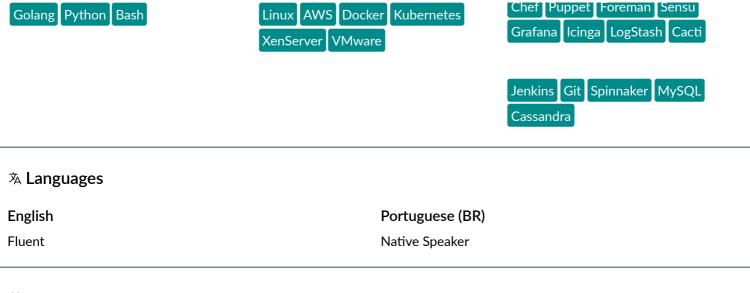
June 2006 - November 2013

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



○ Interests

Hiking

Reading Woodworking Open Source