Mateus Lira

SITE RELIABILITY ENGINEER

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Senior Site Reliability Engineer at Centr | Jun 2024 - Today

- Responsible for cost reduction.
  - Moving out from Akamai to Azure Front Door -> **80% cost reduction**
  - Changing AKS Architecture -> **40% cost reduction**
  - Constantly monitoring best practices on the company -> **30% of Azure Tenant cost reduction**
- Enhancing Collaboration and Transparency through **CI/CD** for **Terraform** on **Azure DevOps**
- Responsible for **User and Secret management strategies** for Azure
- Using **Datadog** with **IaC** to enhance reliability and scalability.

Site Reliability Engineer at Paradise Mobile | Aug 2023 - Jun 2024

- Reduced **60% costs** by recreating the EKS architecture
- Enhanced **security** in the **network** - VPC | Transit Gateway | VPN | Load Balancing
- Configure On-Premise using Ansible - **VMware** | VMs | **Kubernetes**
- Boosted deployment speed with Infra as Code at the company - **Terraform**
- Increased reliability with **GitOps** using **ArgoCD**
- Architected Kubernetes with **Helm Charts**
- Reduced silos of communication between Dev and Ops team, bringing **DevOps** culture
- Responsible for **incident management**
- Developing in **NodeJS**
- Increasing response time with **Observability** strategies (**SLI SLO**)
- Responsible for Observability Stack - **Prometheus | Grafana | Open Telemetry | Fluent-Bit**

Site Reliability Engineer at Rabobank | Mar 2022 - Aug 2023

- Architected, Implemented, and documented a **Disaster Recovery Strategy**: Ensured data security and **reliability**, enhancing organizational **resilience**.
- **Post-mortem** documentation: Enabled learning from past incidents, improving operational processes and systems.
- **ComplianceOps** > Policies Applied by IaC and CI/CD: Streamlined **governance** and ensured consistent, automated compliance.
- **SecOps** > **Sonarqube** - **Fortify** - Security Applied with **IaC** and **CI/CD**: Bolstered security infrastructure, defending against cyber threats.
- Facilitated agile, scalable, and efficient infrastructure management by creating new architecture using IaC (**Terraform and Bicep**).
- Enhanced visibility and control over software deployments using **CI/CD** Techniques.
- Enhanced Security with **automation** and **CI/CD** Techniques (**Python** scripts)
- **Azure DevOps**: Boosted team productivity and ensured seamless, high-quality software releases.

DevOps Engineer at Accenture | Aug 2020 - Mar 2022

Oversaw hundreds of on-premise servers for several clients, both **Linux** and **Windows** systems using Splunk.
- Monitor **Splunk** Clusters using **Azure** and **AWS**
- Used **NoSQL** databases to build meaningful dashboards
- Increased security with **VPN** application implementation in **Kubernetes**
- Developing in **Python** and **Javascript**

PUC Minas
MBA, Management Information Systems | jul 2019 - dec 2020

Federal University of Pernambuco
Bachelor's degree, Computer Engineering | Jan 2013 - Jul 2019

CERTIFICATES

PERSONAL PROJECTS

- <u>YouTube Courses</u> - Docker | Kubernetes | Terraform

Contribution to open-source:

- <u>Contribution to Open-Source Project Netmaker Helm-Chart</u>
  - Added annotations for the ingresses for external-dns support (Rest and UI)

Added Kustomization to WireGuard Service allowing usage of network load-balancer (NLB) for Ingress

<u>Personal website</u>
- <u>Its GitHub</u>

<u>Tutorials and articles</u>

<u>DevOpsDays speaker</u> 2023 -
Theme: Observability is not only monitoring but is empowering the business owners about their systems

SKILLS

In blue - I master the skill

- Linux
- DevOps
- Troubleshooting
- Terraform
- Terragrunt
- Python
- Shell Script
- Datadog
- Prometheus
- Traefik

- GitHub Actions
- Kubernetes
- Docker
- ArgoCD
- Go/Golang
- Post-mortem
- SLA/SLO/SLI
- NGINX
- Kafka
- Grafana

- RabbitMQ
- Monitoring
- Splunk
- AWS
- Azure
- Azure DevOps
- Bicep
- Helm Chart
- Observability
- Jaegger

LANGUAGES

Portuguese - Native
English - Fluent
Spanish - Basic

HOBBIES

🏠 Family

🥋 Kung Fu