



Guto Carvalho

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About me

I have been here a long time. I started to work with computers back in the '90s. My first OS was MS-DOS 6.0, and my first window manager was Windows 3.1. I used to connect to the internet using those noisy 14.400mbps modems from US Robotics, and IRC was the best way to chat with our friends :)

I have a sysadmin soul plus network and Linux skills combined with agile culture, I'm also a DevOps Enthusiast, GitOps Practitioner, and Cloud-Native believer.

I've done so many things during my digital journey. I've worked as a Sysadmin, Network engineer, Linux engineer, Advisor for the Federal Government, Consultant, Entrepreneur, Infrastructure developer (Infra as code), and GitOps engineer. Now I'm working as a Cloud Native Engineer, currently living in Dourados, MS, Brazil.

My interests range from infrastructure as code (IaC), DevOps, GitOps, Kubernetes, Cloud Native, ChatOps, Continuous Delivery, and Agile principles.

My goals

I want to help companies extract more from their infrastructure, innovate, and seek creative and intelligent solutions that add value to their teams, projects, products, and customers.

Exciting things about my work

- In 2011, I presented an automation case using IaC inside a Brazilian Executive Federal Government agency called EBC, probably the first one.
- I was one of the first professionals to write and talk about DevOps and automation (IaC) in Brazil back in 2011-2012.
- I was one of the disseminators of the DevOps Culture inside the Brazilian Federal Government.
- In 2012-2013, I dived into the DevOps Principles and Community, and back then, I started to follow Patrick Debois and John Willis' adventures, trying to use their experience in Brazil.
- I was part of the team that built the first private cloud of Itaú, one of the largest banks in Brazil.
- In two of my recent projects, I was able to help the Ministry of Health and Superior Justice Tribunal enter the Cloud Native era. I designed the architecture and deployed several k8s clusters for their APPs and systems (dev, stg, test, pre-prod, prod), now they are moving from legacy to Cloud Native.

Exciting things about my IT adventures

- I held two DevOpsDays in Brasilia city, Brazil's Capital.
- I was invited to open two DevOpsDays in Brazil, one in Porto Alegre, and another in Goiania, and I was honored and very proud to be in both places. This one of those things that is very significant in our lives, and I'll remember those days forever.
- I've trained more than 500 people on IaC in the last 10 years.
- I've been blogging for almost 15 years about IT and general stuff.
- I've given more than 150 talks in the last 10 years.
- I'm a regular speaker in several Brazil IT Conferences.

Exciting things about my personal life

- I grew up in the mid-west of Brazil in a state called 'Mato Grosso do Sul' near the Bolivia and Paraguay borders. In that state, I lived in Pantanal Sul (South Swamplands). In that time, I had the opportunity to experience nature and wildlife, ride horses and swim in rivers with fish, snakes, alligators, birds, reptiles, and various mammals – a magical and amazing time of my life.
- In my young adult life, I decided to move to Brasília in 2008 to find new challenges in IT and get closer to the Federal Government's mission-critical systems, and I lived there until May 2025 – almost 17 years experiencing that city and region – before returning to Dourados/MS, where my parents and sister live.
- Now, in my forties, I have two kids, a dog and a cat, and we live in Dourados, in the countryside of Mato Grosso do Sul, close to Paraguay.
- Besides the IT life and digital culture, I love to do mountain bike and karate-do!

See more information about me [here](#). (portuguese only)

Recent experience

Latitude.sh

Platform Engineer – Metal

Mar 2026 – Present;

Working as a platform engineer, operating company services and building automation to delivery baremetal and bmc services.

Tecnologias

- Git
- Docker/Dockerfile
- Terraform
- GitHub
- GitHub Actions
- Tinkerbell

- Harvester
- Kubevirt
- Kubernetes
- RKE
- Rancher
- CloudFlare
- IA/Claude/Copilot/Greptile
- Bash/Zsh
- Python/Ruby
- YAML
- Okta
- PostHog
- Netbox
- Axiom
- HookOS
- PXE
- BMC

GetInsight

Platform Engineer

Mar 2024 – Mar 2026;

Working as a platform engineer, operating company services and client infrastructures.

Tecnologias

- Git
- Docker
- Terraform
- Ansible
- GitHub
- GitLab
- Redis
- PostgreSQL
- MySQL
- Kubernetes
- Keda
- CloudFlare
- CertManager
- Ingress
- Nginx
- Helm
- Velero
- AWS (S3/EC2/RDS/Route53/EKS/ECR/IAM)
- Bash/Shell
- Python/Ruby para automação.

DNSFilter.com

Platform Engineer

Mar, 2022 – Fev 2024;

Working as a Platform Engineer, maintaining and operating the platform of the DNSFilter SaaS. Handling 35 billions of transactions day. We're also moving several baremetal services to EKS and EC2.

Technologies

- Git
- Docker
- Terraform
- Ansible
- GitHub
- Slab
- Confluence
- Jira
- Datadog
- ZenDesk
- CircleCI
- Kafka
- Redis
- ClickHouse
- PostgreSQL
- MySQL
- Rundeck
- Wazuh
- NewRelic
- Kubernetes
- Keda
- CloudFlare
- CertManager
- Ingress
- Nginx
- Helm
- Velero
- AWS (S3/EC2/RDS/Route53/EKS/ECR/IAM)
- Bash/Shell
- Python/Ruby for Ops automation

VMFARMS/Stack.io

Cloud Engineer

2021 to 2022

Relevant certifications

Rancher Operator Level 1

Rancher · 3200de73ce8245348d4bf4ff5194f6d5

Puppet Certified Professional

Puppet · PCP204-0052

Certified Scrum Master

Scrum Alliance · 000688337

RedHat Certified Engineer

RedHat · 140-019-704

RedHat Certified System Administrator

RedHat · 140-019-704

RedHat Certified JBOSS Administrator

RedHat · 140-019-704

Zabbix Certified Professional

Zabbix · 23-01-15

Zabbix Certified Specialist

Zabbix · 21-01-15

Trainings I enjoyed

Docker image best practices

JAC Experts

How to create docker image thinking in lightness and performance.

GitLab CI Pipelines best practices

JAC Experts

How to deploy APPs in different environments with the same code.

Rancher & RKE best practices

JAC Experts

Best practices to install, maintain and operate RKE clusters with Rancher.

Velero best practices

JAC Experts

How to use velero to have a robust backup and DR plan for your cluster.

Kanban Training

K21

Kaban recognized training from an official partner of LKU.

Scrum Master Training

K21

Scrum Master recognized training from an official partner of Scrum Alliance.

Recommendations

Matheus Brescia

Cloud Engineer at stack.io

One excellent engineer, we worked side-by-side in a bunch of solutions. Have a huge understand of the whole picture of IT, a Linux lover as I am. Have a good learning curve, at least the things I taught he got quickly and learned a lot from him too. Great asset to any company.

Alexis Soto Maior

Cloud Engineer at vmfarms.com

Worked with Guto for a few months. Guto has been a while in this IT world. He is the kind of professional who has the mindset towards optimization and digital transformation. He is usually thinking outside the box to match the perfect solution to a problem, working restlessly to deliver the best.

Daniel Sobral

Software Engineer at [Google.com](https://google.com)

Guto is the most productive engineer I have ever worked with, as well as the most organized one. He approaches all tasks methodically, keeps track of every task he has to do in order to accomplish the activities he is performing, researches topics as needed, documents steps as he performs them, and, at the end, delivers the completed activity plus relevant documentation of everything he learned or did.

Kubernetes

DNSFilter

Cloud Native Engineer

Member of the team in charge of moving apps from BareMetal (Linux APPs) to AWS EKS

Tools/Work

- Infra automation with terraform
- APP Dockerization
- Creation of the K8S Manifests
- Creation of the CircleCI Pipeline for Image Build
- EKS Management
- Keda for autoscaling
- CloudFlare for DNS
- DataDog for monitoring

TheScore

Cloud Native Engineer

Member of the team in charge of moving apps from EC2 (Linux APPs) to AWS EKS

Tools/Work

- Infra automation with terraform
- APP Dockerization
- Creation of the K8S Manifests
- Creation of the CircleCI Pipeline for Image Build
- Creation of the Shipit stack for APP Delivery
- EKS Management
- Keda for autoscaling
- CloudFlare for DNS
- DataDog for monitoring
- Splunk for logs

RNP

Cloud Native Engineer

Responsible for moving from OnPremisses K8S Cluster to AWS EKS

Tools/Work

- Infra automation with terraform
- K8S Architecture Design
- APP Dockerization
- Creation of the K8S Manifests
- Creation of the Helm Charts
- GitLabCI for Image Build
- GitLabCI for APP Delivery
- Prometheus+Grafana for Cluster Metrics
- Loki for Cluster Logs
- EKS Management
- Harbor for Registry
- Rancher for clusters management

Ministry of Health

Cloud Native Engineer

Responsible for moving from OpenShift to RKE Clusters

Tools/Work

- K8S Architecture Design
- Instalation of five clusters (dev, staging, pre-prod, prod, test)
- Creation of the K8S Manifests
- Creation of the Helm Charts
- GitLabCI for Image Build
- GitLabCI for APP Delivery
- Cloud Native Storage with Longhorn
- Prometheus+Grafana for Cluster Metrics
- Loki for Cluster Logs
- Nexus for Registry
- Rancher for clusters management
- MatterMost for ChatOps

Superior Justice Tribunal

Cloud Native Engineer

Moving from Linux Instances on VMWArE to RKE Clusters

Tools/Work

- K8S Architecture Design
- Instalation of 3 clusters (dev, staging, prod)
- Creation of the K8S Manifests
- Creation of the Helm Charts
- GitLabCI for Image Build
- GitLabCI for APP Delivery
- Cloud Native Storage with Longhorn
- Prometheus+Grafana for Cluster Metrics
- Loki for Cluster Logs
- Nexus for Registry
- Rancher for clusters management
- Zabbix for clusters management
- MatterMost for ChatOps

JAC Experts

Cloud Native Engineer

Responsible for the design and cluster implementaion

Tools/Work

- K8S Architecture Design
- Instalation of 2 clusters (staging, prod)
- Creation of the K8S Manifests
- Creation of the Helm Charts

- GitLabCI for Image Build
- GitLabCI for APP Delivery
- Cloud Native Storage with Longhorn
- Prometheus+Grafana for Cluster Metrics
- Loki for Cluster Logs
- Nexus for Registry
- Rancher for clusters management
- Zabbix for infra monitoring
- MatterMost for ChatOps

Communities I've been part of

Continuous Delivery Foundation

Ambassador for 2022

2022 — Present

It's a new, neutral organization that will grow and sustain an open continuous delivery ecosystem.

DevOpsDays Brasil Committee

Organizer from the Brasilia City

2016 — Present

User group to discuss how to organize DevOpsDays Events in Brazil.

DevOpsDays Brasilia

Organizer

2016 — Present

Community responsible for the DevOpsDays Brasilia Events.

DevOps-BR

Co-Founder

2015 — Present

User group to discuss about DevOps and related tools.

GitOps Brasil

Founder

2020 — Present

User group to discuss about GitOps Practices e and related tools.

Cloud Native Brasil

Founder

2020 — Present

User group to discuss about Cloud Native and related tools.

Events I attended and enjoyed

DevOpsDays Fortaleza	
Virtual	Oct/22
Semana de Capacitação NIC.BR, 5º Edição	
Virtual	Set/22
Chaos Carnival	
Virtual	Jan/22
KubeCon North America	
Virtual	Oct/21
Gitkon	
Virtual	Sep/21
DevOps Extreme	
Virtual	Aug/21
GitOps Summit	
Virtual	Jun/21
DevOpsDays Rio	
Virtual	Jun/21
GrafanaCon	
Virtual	Jun/21
GitOpsDays	
Virtual	Jun/21
Hashicon Europa	
Virtual	Jun/21
DockerCon	
Virtual	May/21
KubeCon Europa	
Virtual	May/11
FailOverConf	
Virtual	Apr/11
DevOpsDays Goiania	
Virtual	Set/20
Campus Party	
Virtual	Jul/20
FiqueEmCasaConf	
Virtual	Apr/20

Recent talks

How to scale to 35 bilions transactions a DAY

DevOpsDays Fortaleza, 2022

An introduction to our last project and scenario scaling a SaaS using DevOps and GitOps.

The container Revolution, from CHROOT to Cloud Native

Semana de Capacitação NIC.BR, 5ª Edição

A journey through the container's history and the Cloud Native Revolution

Deploy techniques

DevOpsDays Goiania, 2021

An introduction to Canary, Green/Blue, Rollout, A/B and other techniques

Cloud-Native and the Kubernetes revolution

Campus Party, 2020

An introduction to Cloud-Native and Kubernetes, the benefits, the challenges, [and the expectations.](#)

From the commit to deploy with Kubernetes and GitLab CI

LinuxTips FicaEmCasaCOnf, 2020

A hands-on to create a pipeline to deliver an APP in any [Kubernetes cluster.](#)

10 Years of DevOps Culture

DevOpsDays Goiania, 2019

Chat about ten years of DevOps, what has changed, what may change, and where we are going

Converging from Chaos to DevOps

DevCamp, 2018

Case about a company changes during their DevOps journey.

Recent studies

Tinkerbell/BMC

To perform my role at Latitude a deep dive in Tinkerbell is something that I need to do daily.

Status: Improving HookOS to have more control inside our deployment process.

Recognition

Continuous Integration Ambassador for 2022

CD Foundation • 2022

Invited for the work with CICD in Brazil.

Best Puppet Partner of the Year

Instruct • 2017

Awarded for the work with Puppet in Brazil.

Associations

DevOpsDays Brasilia

Core Team Member • 2016 — Present

The devopsdays local core team;

Education

Network Technology

UNIDERP - Universidade para o Desenvolvimento da Região do Pantanal

Links

- [Blog - gutocarvalho.net](https://gutocarvalho.net)
- blogs.gutocarvalho.net
- [This site's source \(repo\)](#)

