

[tom] Thompson Mota Garcia
Berlin, Germany
+49 0176 623 09177
devbytom@gmail.com
<https://www.7onn.dev/>

About:

A self-taught software engineer whose career began at the age of 15. The last half decade has been largely focused on cloud infrastructure running distributed systems.

Languages:

- Fluent English
- Native Portuguese
- Basic Spanish
- Basic German

Technical knowledge:

- AWS, GCP
- Kubernetes
- ArgoCD, Git, GitHub Actions
- Prometheus, Grafana Stack, Graylog/Kibana, DataDog
- Golang, Python, Terraform, Javascript, Bash
- Kafka, RabbitMQ, PubSub, SQS, Elasticsearch, MongoDB, PostgreSQL

Professional experience:

→ **Software Engineer (Data Platform) @Trade Republic Bank GmbH 2023 - current**

- Implemented DataHub to improve data discovery and governance
- Enabled the Fincrime team to deploy the anti-fraud ML platform with AWS SageMaker
- Participated in the Platform Engineering L2 Oncall where I troubleshoot and resolved incidents, improved alert playbooks, enhanced monitoring, and automated response to alerts and errors to prevent outages
- Established an infrastructure connection with Adenza to enable regulatory reporting to BaFin
- Implemented Metabase as an alternative to Looker resulting in a more user-friendly and frugal analytics platform
- Planned and executed the migration of the monitoring stack from DataDog to LGTM (Loki, Grafana, Tempo, and Mimir), resulting in a frugaller observability stack

→ **Site Reliability Engineer (App Platform) @Trade Republic Bank GmbH 2022 - 2023**

- Managed a wide variety of AWS resources
- Addressed some monitoring gaps
- Planned and executed infrastructure migration of applications from kOps to EKS

→ **Site Reliability Engineer @Jusbrasil 2021 - 2022**

- Managed AWS/GCP environments with Terraform by Atlantis
- Implemented GitOps practices using ArgoCD
- Developed capabilities to track infrastructure costs and monitor idle cloud resources
- Set Kubernetes constraints with OpenPolicyAgent to prevent resources from falling outside of best practices
- Implemented distributed tracing with Jaeger and OpenTelemetry (but changed approach in favor of Pixie and eBPF)
- Established protocol-agnostic Prometheus metrics standards across our services resulting in a more efficient monitoring stack

→ **Site Reliability Engineer @Descomplica 2019 – 2021**

- Maintained AWS infrastructure using Terraform
- Supported engineering teams with infrastructure and continuous delivery issues
- Developed automated delivery pipelines from GitHub events and Jenkins builds to Spinnaker deployments
- Provisioned, managed, and monitored Kubernetes clusters
- Performed incident troubleshooting and implemented solutions/alerts/runbooks to prevent and remediate incidents
- Fought against a ransomware hacking attempt and prevailed (thanks to AWS support)
- Developed distributed load tests to benchmark features and show their limitations

→ **Software Engineer @IBM Global Financing 2018-2019**

- Provisioned, managed, and monitored OpenShift clusters
- Automated deployment pipelines with OpenShift builds
- Deployed the Ratecard automation product
 - Business logic to integrate decoupled entities, saving analysts a lot of manual and repetitive work
 - Backend on NodeJS
 - Frontend on Angular.js

Visit <https://www.7onn.dev/about/> for more information