

Phillips official thought support about my topics

Topics

Software Engineer / DevOps Engineer

Onboarding

Familiarization and getting to know new systems. Accompanied by independent work.

- Backend, Frontend, Database connection (Spring, Angular and Postgres).
- CI/CD workflow (mostly gitlab pipelines).
- Monitoring Applications (prometheus combined with kibana and for logging elasticsearch).
- Routing and network background of our microservices (kubernetes and api gateway and i guess rhsso).

Dependency Analysis

First WAB with python

- Learning new programming language (python).
- Working in a team with git.
- evaluating possibilities to achieve a solution.

Pipeline refactoring && System Team

Manifest Pipeline refactoring (which got rejected.. but it was a nice experience non the less).

- Refactoring the structure of a legacy pipeline configuration and making it follow newer dogmatics.
- getting to know the already present configuration of the system team and developing a favor for it.
 - getting rejected of the system team on my attempt to apply for a position.
 - * getting into the linux rabbit hole and changed for ever.
 - I love vim btw. Try it! Find Jesus! Get kids!

Comparison of SpringWeb and SpringWebFlux

Second WAB going deep into the Spring Framework and Java.

- Hardcore researching about this framework.
- Comparing 2 example services and finding out a major bug inside the telekom libraries.
- Fixing the Bug on my machine but unfortunately never in general.
- Setting up load tests.

Renovate Integration

Participation in the integration of new tools and features, e.g. Renovate.

- working together with senior devs and evaluating Renovate's capabilities.
- helping out Michael Krill on structuring and onboarding renovate.

Monitoring of non functional requirements DevOps Maturity

Random project for Thea to evaluate the DevOps maturity levels and more via the atlassian gard telekom wiki and a python script.

- Started as a script and ended as a microservice, which got never deployed unfortunately. BUT IT WOULD HAVE WORKED!
- Further understanding of data structures and the importance of monitoring.

Monitoring of non functional requirements LeanIX

Adding features to the LeanIX project. And with it making a side hustle into a component to rely on for informations. But for real now doing the evaluation of the used security scanner of a microservice.

- Writing the first go project for crawling the gitlab api for security scanner jobs.
- Developing the logic of fetching the used security scanner jobs.
- Testing code for real the first time. I know crazy.
- All of this got the base of 2 or 3 more features of the leanix connector.

PostgreSQL with JSONB

Exploring new techniques of combining databases with web frameworks.

- More communication with Phillip about WAB things.
- Deeper understanding of sql databases, especially postgresql.
- Knowing that someone wants this information.
- Presenting that information.

PIP && other Events like Barcamp and We Are Developers

Getting to know the gigabit infrastructure and networking with various people.

- Visualize being part of something bigger.
- Networking attempts.
- Personal growth.
- Real fun with 'coworkers' or rather friends.

WASMCloud and Kubernetes WITH RUST

experiencing a new way of thinking when doing applications.

- Under time pressure and too much other projects. Learning a whole new way of programming, making stuff and getting things done.
- Tinkering on a really undermatured framework of things basically a proof of concept without a real documentation.
- Setting up a kubernetes cluster from scratch with something other than containerized applications in it.