Analisando o comportamento de aplicações:

Os 3 pilares usados pelas maiores empresas do mundo para fazer observabilidade

George Tavares

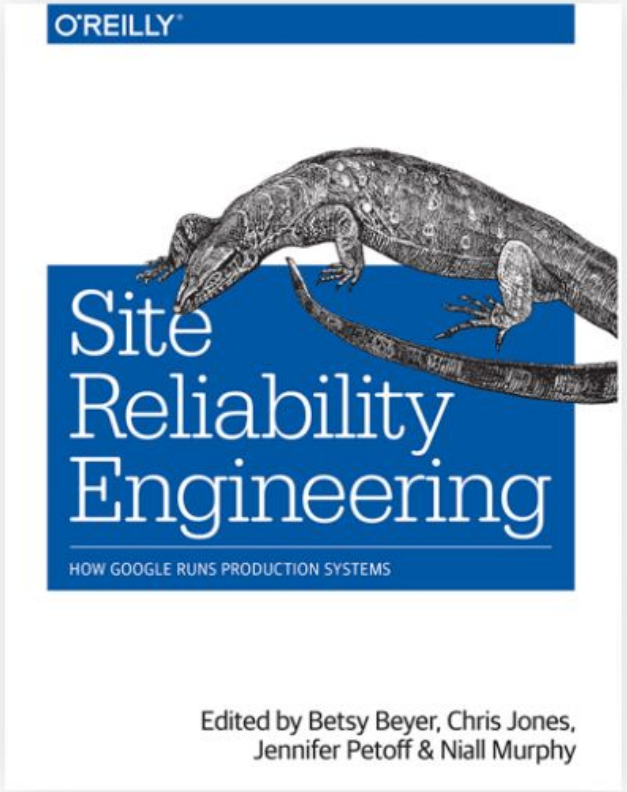
Observabilidade - DevOps

Golden Signals
- Rate
- Errors
- Duration
- Saturation

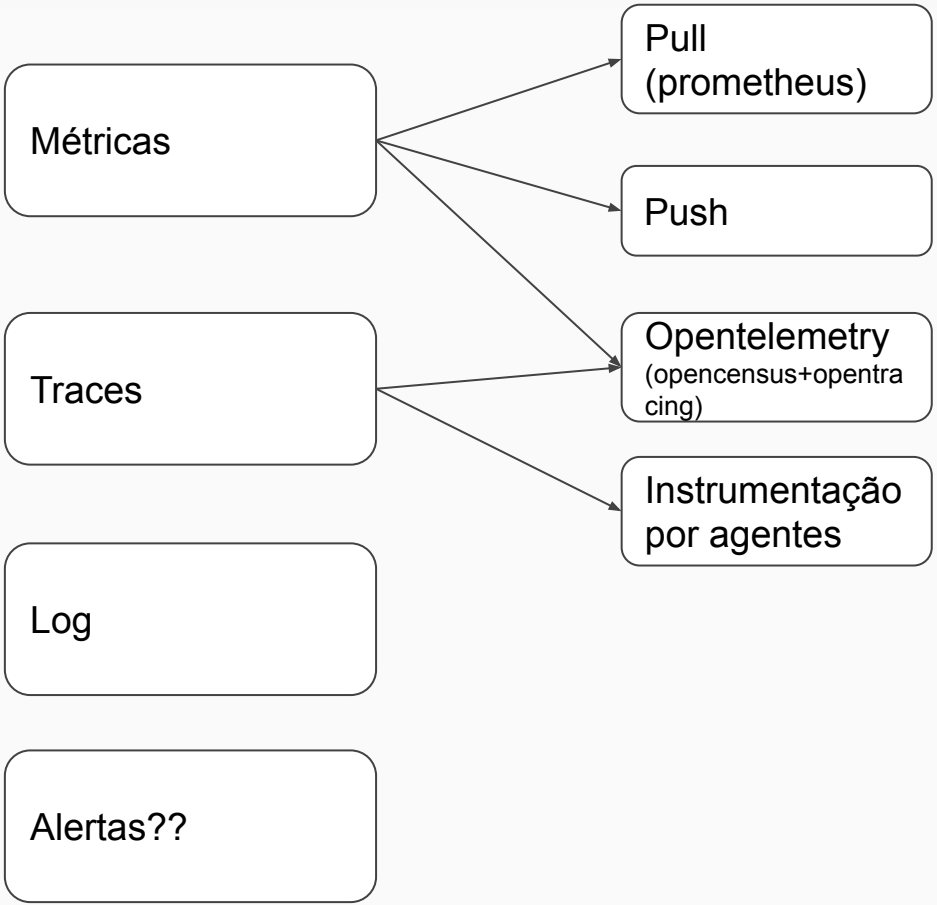
- SLI
- SLO
- SLA

Metodologia USE - Recursos
- Utilization
- Saturation
- Error

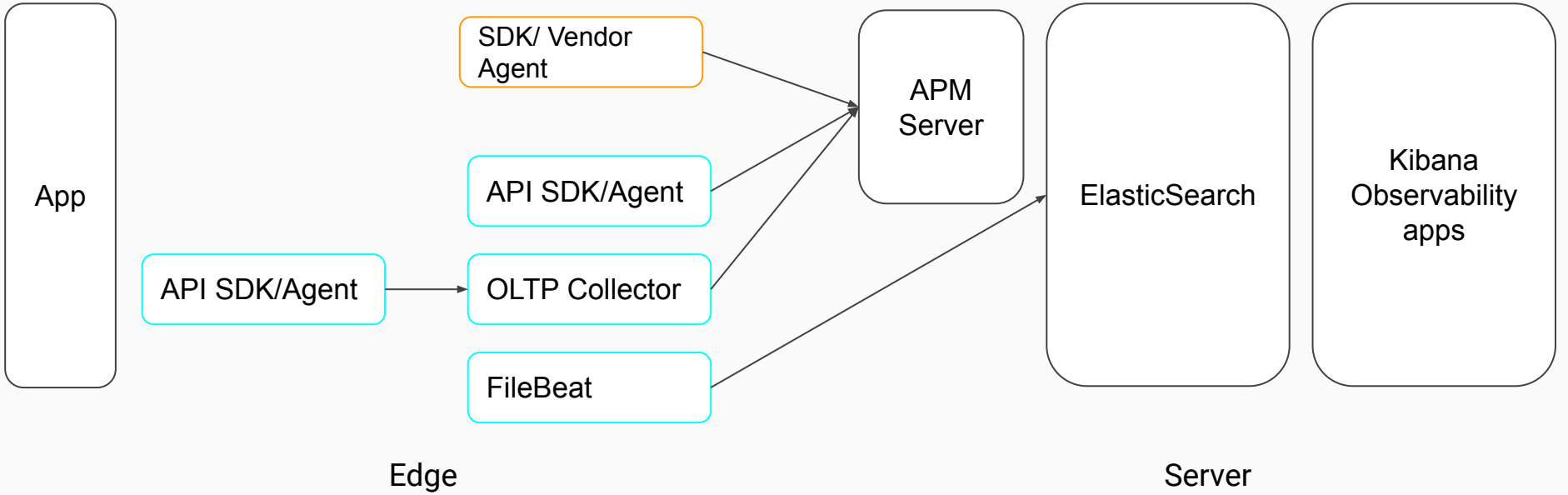
Metodologia RED - Serviços
- Rate
- Error
- Duration



Observabilidade



Opentelemetry Demo Setup



Demo Application

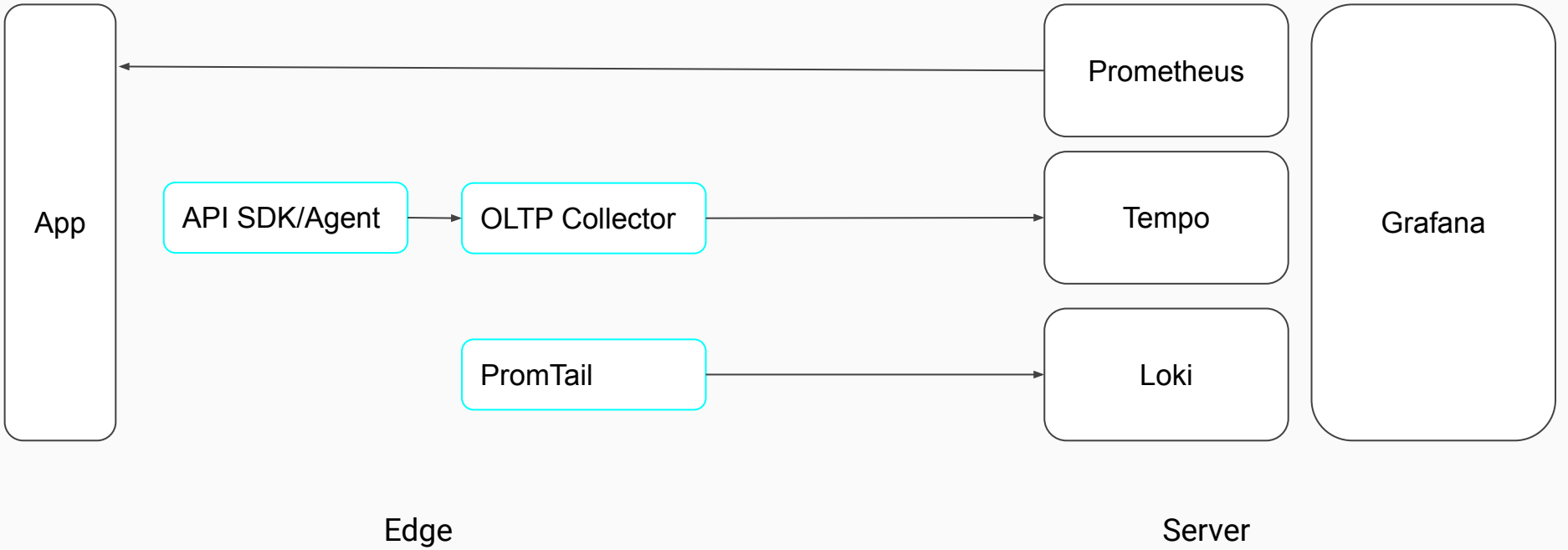
* Services:

** code1
Quarkus, opentelemetry, metric otlp exporter
- hello: call wait
- error: call wait, throw exception
- remote: call wait, remote call code2 -> hello

** code2
Quarkus, opentelemetry, metric otlp exporter, jdbc addon
- hello: call wait (request to postgres pg_sleep)

GraalVM native compiled - AOT

Grafana Tempo Loki Prometheus Demo Setup



George Tavares

- Desenvolvedor na Noson
- Devops na arqgen
- Entusiasta de tecnologia, adoro estudar infraestrutura e devops
- Tiro certificações nas horas vagas: 4xAWS, 4xAZURE, CKA, CKS, Elastic Engeneering, Elastic Observability …
- Vencedor do 1o K8S ULC da Linuxtips

https://github.com/tanquetav/lab-observabilidade

https://www.linkedin.com/in/tavaresgeorge/

Perguntas ?