

# Steffen Reindl

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## SKILLS AND EXPERIENCE

### Wayfair, Configuration Management, Senior Platform Engineer, **July 2021 – Current**

Maintaining and developing tools for Vault, Consul and Puppet at Wayfair.

Developed a unified distribution platform on top of Vault, allowing other developers to not worry about secret distribution. For this we also built multiple interfaces.

Planned, communicated and executed a several-major-versions upgrade of Vault with no downtime.

Created and maintained developer-facing operational tools around Vault, incorporating principles of Cognitive Systems Engineering.

Held multiple internal talks about the space of Resilience Engineering, Human Factors & Ergonomics.

### PriceHubble, Site Reliability Engineer, **November 2020 – June 2021**

Maintained and developed tools for a large-scale Kubernetes cluster. This served as the basis of infrastructure to product teams.

Started a cultural shift towards developer empowerment and autonomy, away from a classic Ops/Dev split. The incentives and final structure were modelled after the classic SRE literature.

Transitioned company to new BI infrastructure based on GCP's BigQuery.

### Ryte, Backend Software Engineer, **May 2017 – Sep 2019**

Maintained a Scala web crawler central to the company, distributed over YARN and Flink, analyzed by a Scala service written in Spark. This system is running on AWS EMR, and was subsequently improved to support Javascript rendering and crawling single-page applications by controlling Chromium.

## EDUCATION

**Technical University of Munich**, Incomplete B.Sc. Computer Science, (2016 – 2018)

## TECHNOLOGIES

Infrastructure	As much as I can I rely on Infrastructure as Code, through whatever tool is most appropriate.
Kubernetes	I have maintained and developed for several clusters. Istio and Helm were also used.
Platforms	I have used AWS and GCP to power large-scale crawlers, analysis pipelines and ML training clusters.
Databases	Primarily worked with PostgreSQL and variations of SQL databases. In addition I also made heavy use of BigQuery and DynamoDB.
CI/CD	Experience in setting up the software, process and tooling needed to continuously test and deploy services and products.
Programming Languages	Confident engineering skills in Python, Go, Scala, Rust and Elixir.

## INTERESTS & FOCUSES

Observability	Modern, complex systems are hard to grasp and harder to change successfully, and so having insight into what is happening in production is invaluable. I build systems as transparent and observable as I can.
Cognitive Systems Engineering	I focus on the sociotechnical aspects of a system, rather than on either, human or computer, allowing me to optimize for the overall functionality.
Systems Design & Resilience	I design systems for failure, which results in simple, but reliable architectures, easy to maintain and expand.
Developer Tooling & UX	I am very fond of having good tools to work with, and will create and maintain tools that enable and simplify future changes.