

Steffen Reindl

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SKILLS AND EXPERIENCE

PROGRAMMING LANGUAGES

Scala	Go-to language for implementing services, specifically the Typelevel ecosystem, also possessing experience of Akka-HTTP.
Python	Proficiency in building robust services and rapid prototyping, experience in basic machine learning (Gensim/Keras) and datascience.
Elixir/OTP	Experience in building highly-available services to be used as building blocks in an infrastructure, also some experience using Phoenix as web-development backend.
Haskell	Experience in building highly-correct libraries and algorithm implementations, and using it for prototyping and subsequent scaling.
Rust	Experience in creating CLI tools that do specific, small things well.

TECHNOLOGIES

Functional Programming	I take cues and ideas from maths in order to reduce the amount of bugs and complexity in my code.
Systems Design	I design systems I build for failure, which results in simple, but reliable architectures, easy to maintain and expand.
Metrics	I like for services to have sensible and ‘actionable’ metrics, for example with DataDog
Infrastructure	I use tools like Terraform and CloudFormation to construct all my infrastructure from day one.
AWS	I have used AWS in a professional setting to construct, load-balance and maintain complex, distributed services.
Tooling	I am very fond of having good tools to work with, and will create and maintain missing tools that simplify work to be done.

EMPLOYMENT

Backend Software Engineer at Ryte, 2017 – present.

Worked in an agile team developing Scala microservices.

Conducted R&D in a small team, developing algorithms, libraries and prototypes for the company in a variety of languages and technologies.

Created and implemented information extraction algorithms, such as an evolution on PageRank.

Used machine learning (Gensim/word2vec) to categorize and improve website content.

OPEN-SOURCE WORK AND SELF STUDY

Various small CLI tools oriented around managing documents, data and notes. ([Github](#))

Currently working through *[Haskell From First Principles](#)*

[Gravitas](#)

Cloud provisioning and compliance tool, for monitoring and controlling cloud changes.

Positioned as alternative to Hashicorp’s Terraform (eventually)

Written in Elixir and Haskell

EDUCATION

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

Abitur (A-levels), Asam Gymnasium, Munich

Average Grade: 2.8

Excelled in computer science and English.

REFERENCES

Available on request.