

Roman Heinrich

Cell: (+49) 152 33 74 73 77

Email: roman.heinrich@gmail.com

Blog: devopsbox.es

Github: github.com/mindreframer

Linkedin: linkedin.com/in/mindreframer

Twitter (Me): twitter.com/mindreframer

Twitter (Golang): twitter.com/gophersgang

Twitter (Elixir): twitter.com/ruby2elixir



ABOUT ME

- Empathic / Servant Leadership / Humans - not resources
- Quick learner / Always curious / Autodidact
- T-shaped professional / Polyglot / Fullstack / DevOps / SRE
- Love optimizing/improving things
- An active practitioner of [Therapeutic Refactoring](#)
- In love with simple boring solutions
- In favor of quick iterations with many experiments
- Good teams grow organically - [Building Teams Organically](#)

LOOKING FOR

- A small, tightly-knit team
- Long-term [circle of trust-colleagues](#)
- Projects with a clear focus
- Quick decisions, quick failures, many learnings
- Full team responsibility with decision-making power
- [Real artists ship](#)
- You build it - you run it - [There's No Such Thing as a "DevOps Team"](#)

Experience

Taxfix GmbH

Sr. Developer - Nov 2019 - Feb 2020

Tech

Elixir / K8S / CircleCI / Grafana / InfluxDB / CLIPS (expert system)

- Optimized CI pipeline from 45 minutes to 8 minutes (commit -> deployable container)
- Heavily parallelized all possible tests suites + heavy CI caching
- Facilitated asynchronous and written standups
- Proposed an alternative, much faster opensource expert system - [CLIPS](#)

- Wrote a transpiler for TaxML (tax rules language) to CLIPS (60% functionality covered in 4 weeks spare time development)
- Encouraged the team to take full ownership of the TaxEngine application

Talon.one *Teamlead / Sr. Developer / Hiring manager - Aug 2017 - Nov 2019*

Tech *Golang / Postgres / Kubernetes / GCP / SRE / DevOps*

Highlights - People (Hiring / Onboarding / Mentoring)

- Hired and built up a small (4 people) but very capable team for our backend
- Provided all needed resources to new members to become productive as quickly as possible
- Empowered our team to take full ownership of our application
- Facilitated knowledge sharing and encouragement for controlled experiments
- Ran retrospective and iteration meetings, continuously adapting and improving processes
- Encouraged/supported responsibility for production within the team
- Continuously provided moral support and a safe environment for experimentation within our team

Highlights - Tech (idea giver / supervisor / reviewer / collaborator)

- Realtime streaming data export within constant memory consumption from Postgres
- Introduced very fast data importer by using parallel COPY statements from Go into Postgres
- Introduced partitioned tables for logs stored in Postgres to enabled quick old data deletion and faster queries
- Infinitely flexible API query parser inspired by the MongoDB query language
- Automation for SSL Certificate renewals
- Automatic multi-cluster Kubernetes setup (GCP)
- Multitenant Kubernetes Deployment automation via internal tools (Elixir)
- Kubernetes Operators for Secrets / auto-updating deployments / Database configuration via CRD
- Internal multitenant central logging system based on TimescaleDB (for central visibility)
- Introduced Redash.io for customer data analysis
- Split up our integration API tests into parallel chunks to stay consistently below 2 minutes
- Encouraged to invest heavily in a very stable CI solution
- Continuously helped improving visibility/stability of the platform

Solarisbank

Sr. Developer / Teamlead - Mar 2016 - Jul 2017

Tech

Elixir / Clojure / Ruby / Golang / Docker

- Teamlead for the "Credit API" project
- Loan application API via mobile UI (Elixir / Phoenix)
- administration backend / contract generation / scoring algorithm / core banking system integration
- tight focus on TDD and quick turn-around times
- Elixir mentoring among fellow developers
- integration with multiple third-party financial services
- integration with Schufa SOAP interface (Java / Clojure / Elixir)
- introduction of Eventsourcing / CQRS in Solarisbank
- introduction of fundamental DDD concepts in Solarisbank
- <https://github.com/ddd-ruby>

TD Reply GmbH

Sr. Developer / Teamlead - Feb 2014 - Feb 2016

Tech

Ruby / JS / Coffeescript / React.js / D3.js / Karma

Former trommsdorff + drüner innovation + marketing consultants GmbH

- Configurable dashboard frontends for 6 corporate clients on tight deadlines
- Coaching jr. developers (intense pairing sessions, code reviews)
- Generic streaming Excel parser without loading complete file in memory
- Maintainable, unit-testable JS / Ruby code
- working with React.js since April 2014

Mediapeers GmbH

Sr. Developer - Aug 2013 - Jan 2014

Tech

Chef / Rails / Angular.js / AWS(S3/EC2) / MongoDB

- Introduced Angular.js as UI framework
- AWS automation with Chef

Dawanda GmbH

Okt 2008 - Apr 2013

Role

Rails developer / SRE / DevOps engineer / MySQL DBA

Tech

Puppet / Ruby / MySQL-Percona / AWS(S3/EC2)

Redis / Varnish / Solr / Monitoring / Ubuntu / OpenVZ / OpenStack / etc

- Fullstack optimization
- DB queries optimizations
- LOTs of caching solutions
- Deployment automation
- Collocation server management
- Hardware maintenance / replacement / assembly
- Efficient virtualization with OpenVZ (ancestor of Docker)

Deutsche Bank/DVAG venture

Consultant - Jul 2007 - Okt 2007

Tech

Java, Groovy, JUnit, Java Reflection

- Integration financial loan calculation library

University Paderborn cooperation Ceyoniq Technology GmbH

Aug 2007 - Sep 2007

Tech

Flex 2, ActionScript3, AIR, 3D, Usability

- Innovative DMS-Client Prototype for DMS-Messe in Cologne

Deutsche Bank

Apr 2006 - Jan 2007

Tech VBA 6.0, Excel 2000, PDF-Generation

- Housing Loan Consulting Tool

Deutsche Bank

Aug 2005 - Sep 2005

Tech

VBA 6.0, Excel 2000, PDF-Generation

- Student Loan Consulting Tool

Deutsche Bank

Apr 2005 - Mai 2005

Tech

VBA 5, Excel 97, Acrobat, PDF

- TopCredit Consulting Tool

Skills

Softskills

- Caring for the team
- Enthusiastic
- Good listener
- Loyal
- Optimistic
- Supportive

PL Languages

- Golang
- Elixir/OTP
- Ruby
- Clojure
- JavaScript
- Typescript
- LUA
- PL/pgSQL
- CLIPS (LISPy expert system)

DevOps

- Kubernetes
- Terraform
- Google Cloud Platform
- AWS
- Docker
- OpenStack/OpenVZ
- Puppet
- Traefik/Nginx/Apache

Databases

- PostgreSQL
- MySQL
- Redis
- MongoDB
- Memcached
- SQLite

Frameworks

- Phoenix (Elixir)
- Rails
- React.js
- Node.js

Paradigms

- SOLID
- Functional Programming
- Metaprogramming
- CQRS/Eventsourcing
- Domain-Driven Design

Education

University of Paderborn

2003 - 2008

Business Informatics (Wirtschaftsinformatik)

Incomplete due to heavy consulting and loss of trust in our education system

Hobbies

Bodyweight exercises / Tinkering / Learning new things / Lots of reading

References

Available on request