Roman Heinrich

Golang / Kubernetes / Elixir / React.js / Ruby / DevOps

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GENERAL

Empathic / Servant Leadership / Humans - not resources

Quick learner / Always curious / Autodidact

T-shaped professional / Polyglot / Fullstack / Devops / SRE

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 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

Aug 2017 - present

Teamlead / Senior Developer / Hiring manager
Talon.one

Golang / Postgres / Kubernetes / SRE / DevOps

** Hightlights - 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, continously 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 a 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

Multitenant Kubernetes Deployment automation via internal tools (Elixir)

Kubernetes Operators for Secrets / auto-updating deployments / Database configuration via CRD

Introduced Redash.io for customer data analysis

Internal central logging system based on TimescaleDB (for central visibility)

Split up our integration API tests into parallel chunks to stay consistenly below 2 minutes

Encouraged to invest heavily into a very stable CI solution

Continuously helped improving visibility / stability of the platform

Mar 2016 - July 2017

Senior Developer / Teamlead
Solarisbank AG

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

Feb 2014 - Feb 2016   Senior Developer / Teamlead
trommsdorff + drüner innovation + marketing consultants GmbH

Coaching jr. developers (intense pairing sessions, code reviews)

configurable dashboard frontends for 6 coproparate clients on schedule

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

Generic streaming Excel parser without loading complete file in memory

maintainable, unit-testable JS / Ruby code

working with React.js since April 2014

Aug 2013 - Jan 2014   Rails developer
Mediapeers GmbH

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

Okt 2008 - Apr 2013   Rails developer, SRE / DevOps engineer, MySQL DBA
Dawanda GmbH

Puppet / Ruby / MySQL-Percona / AWS(S3/EC2) / Redis / Varnish / Solr /
Monitoring / Ubuntu / OpenVZ / OpenStack / etc

Fullstack optimization

Automation

Virtualization

Jul 2007 - Okt 2007   Integration for a financial calculations library
Deutsche Bank/DVAG venture

Java, Groovy, JUnit, Java Reflection

Aug 2007 - Sep 2007   Innovative DMS-Client Prototype for DMS-Messe in Cologne
University Paderborn/Ceyoniq Technology GmbH

Flex 2, ActionScript3, AIR, 3D, Usability

2006/04 - 2007/01   Housing Credit Consulting Tool
Deutsche Bank

VBA 6.0, Excel 2000, PDF-Generation

2005/08 - 2005/09   Student Credit Consulting Tool
Deutsche Bank

VBA 6.0, Excel 2000, PDF-Generation

2005/04 - 2005/05   TopCredit Consulting Tool
Deutsche Bank

VBA 5, Excel 97, Actobat, PDF

SKILLS

Software Knowledge			
	▪ Golang	▪ Kubernetes	▪ Terraform
	▪ Google Cloud Platform	▪ Docker	▪ Elixir/Phoenix/OTP
	▪ PostgreSQL	▪ CQRS/Eventsourcing	▪ Domain Driven Design
	▪ React.js	▪ JavaScript	▪ Typescript
	▪ Ruby	▪ Redis	▪ Rails
	▪ Node.js	▪ MySQL	▪ Puppet
	▪ OpenStack/OpenVZ	▪ AWS	▪ Automation
	▪ Nginx	▪ Traefik/Nginx/Apache	

Languages			
	▪ Golang	▪ Elixir	▪ Ruby
	▪ Clojure	▪ LUA	▪ JavaScript
	▪ CoffeeScript	▪ ActionScript	▪ CSS3/HTML5

EDUCATION

2003 - 2008	University of Paderborn
	Business Informatics (Wirtschaftsinformatik)
continuing	many self-paced online/offline courses