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CURRICULUM VITAE

education *FernUniversität in Hagen*

BSc Informatik, November 2012 - March 2019

Ruhr-Universität Bochum

BSc IT-Sicherheit / Informationstechnik, November 2009 - September 2012

jobs *Fashion Digital GmbH*

Software Developer, October 2019 - November 2020

- ecommerce web application development
- documentation and architecture
- Next.js application framework, styled-jsx, React with hooks and Apollo
- Kubernetes / Docker infrastructure operation

img.ly GmbH

Software Engineer, June 2018 - July 2019

- PhotoEditor SDK website frontend (photoeditorsdk.com) with GatsbyJS
- Ruby on Rails backend maintenance
- AWS and GCP cloud infrastructure resource management with Terraform
- draft rewrite of backend to AWS AppSync with Lambda resolvers
- port from legacy LXC on bare metal to Docker on Kubernetes environment
- migration of Artifactory from bare metal to EC2 VM backed by EBS and ELB
- evaluation of SDK integrations on Android, web and server platforms
- experimentation with video stream processing stacks on desktop
- video processing service architecture design with AMQP / RabbitMQ

Klarna GmbH

Software Engineer, May 2018 - June 2018

- backend service development
- contribution to RPC implementation documentation

Shop.co GmbH

Web Developer, September 2015 - May 2018

- full-stack development using the Meteor framework
- frontend implementation with React
- RPC architecture and service development
- GraphQL API development

PenQuadrat GmbH & Co. KG

Software Developer, June 2014 - July 2015

- frontend/backend component development (PHP, SQL, JS/jQuery)
- frontend design implementation (HTML, JS/jQuery, LESS/CSS)
- Android development
- deployment and automation
- testing and documentation
- GitLab setup & administration
- XenServer / VM setup & administration
- Wiki administration & contribution

conferences *Talks*

"Open Source Firmware", openSUSE Conference 2019, Nuremberg, May 2019

Workshops

"A JavaScript GraphQL Stack Built With Apollo", JavaScript Days, Berlin, October 2018

competencies *Programming Languages*

- JavaScript
- PHP
- C/C++ (basic)
- Python (basic)
- Ruby (basic)
- Golang (basic)
- Rust (basic)

Frameworks and Stacks

- LAMP
- Meteor
- Ruby on Rails (basic)
- Next.js, React, Apollo
- coreboot, oreboot, LinuxBoot, u-root
- Linux, FreeBSD and Plan 9 system software development

Databases and DBMS

- MySQL
- PostgreSQL
- MongoDB

Cloud Infrastructure

- Docker
- Kubernetes (basic)
- Terraform
- DNS
- nginx
- ACME / Let's Encrypt
- AWS: EC2, EBS, ELB, AppSync, Lambda, ACM, IAM, S3, CloudFront
- GCP: GKE, GCS, Firebase

High-level Tooling

- OpenGL
- Jupyter Notebook
- SageMath

Languages

- German, English, Dutch (intermediate), Swedish (intermediate), Spanish (basic), French (basic), Russian (basic), Latin (reading).

Hobbies

- firmware hacking and development
- open source software conferences
- hackerspaces and CCC events
- demoscene events
- documentation on free software
- OS distribution packaging (Gentoo, Arch Linux, FreeBSD)
- microcontrollers and IoT