



Anselm Helbig

Programmer, Infrastructure Engineer, Technical Manager

Perfect is a verb — Kent Beck

Objective

As a programmer and infrastructure engineer with 20 years of experience and holding a diploma in Biochemistry, I'm looking forward to help with your infrastructure, with refactoring legacy code, and technical and agile coaching. I focus on value and obsess over maintainability and agile principles.

Skills

Programming Languages

excellent Ruby, Shell, SQL
good Python, JavaScript, PHP

Technologies

| | | | |
|---------------------------|---|-----------|---|
| Frameworks | Ruby on Rails, Sinatra | Databases | PostgreSQL, MySQL, Redis, ElasticSearch |
| Infrastructure Automation | Ansible, Terraform, Docker, Jenkins, Chef, Salt, Puppet | AWS | EC2, Lambda, S3, ELB, CloudWatch, CloudFront, ECS, Route53, IAM, SES, SQS, SNS, Systems Manager |

Techniques

| | | | |
|-----------------------|--|---------|------------------------------------|
| Programming Paradigms | object-oriented, functional | Testing | BDD, TDD, End-to-End |
| Collaboration | (Remote) pair programming, mob programming, code reviews | agile | Scrum, Kanban, Extreme Programming |

Languages

German native
English proficient
French basic

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Work Experience

2017-11 – 2020-03 *MOTIONTAG GmbH*, Potsdam.

2019-10 – 2019-12 **Tech Lead Backend**

2018-04 – 2019-10 **CTO**

2017-11 – 2018-04 **Lead Architect**

- Improved agile processes: introduced, ran and evolved standups and retrospectives, introduced videochat and mob programming, improved board organization, created guidelines for writing tickets, built a tool for tracking lead and cycle time.
- Implemented CI with Jenkins, introduced team password manager, Grafana, and centralized error reporting with Errbit.
- Vastly extended monitoring with CloudWatch, implemented observability with Honeycomb.io.
- Introduced Terraform for infrastructure automation.
- Scaled up API from a single machine to a load-balanced EC2 cluster.
- Built load testing for API with locust.io.
- Lead the migration of high frequency event data from a relational database to a data lake on AWS.
- Streamlined and automated the technical onboarding process.
- Collaborated in tender and GDPR processes.

2017-01 – 2017-04 **Lead Developer**, *Movinga GmbH*, Berlin.

- Organized sessions on development issues.
- Implemented and facilitated incident review meetings.
- Organized regular coding dojos.
- Participated in recruiting: screening, interviews, creating technical challenges.
- Stabilized, monitored and extended legacy PHP infrastructure.
- Planned infrastructure optimization.

2012-05 – 2016-12 *Wimdu GmbH*, Berlin.

2015-04 – 2016-12 **Lead Developer**

2013-10 – 2015-04 **Team Lead**

2012-05 – 2013-10 **Backend Developer**

- Implemented self-learning ranking algorithm.
- Built an invoicing system.
- Continuously synchronized room availability with external sources.
- Maintained and refactored the BI pipeline (Python, Pandas, MySQL).
- Collaborated on infrastructure and deployment automation.
- Refactored and extended payment logic.

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- 2008-01 – 2012-05 **Fullstack Developer**, *Mediapeers GmbH*, Berlin.
- Implemented custom video conversion pipeline.
 - Implemented full text search with filtering, including UX, frontend, backend (Sphinx search engine).
 - Added multitenancy support.
 - Set up and maintained self-hosted CI and version control systems.
 - Improved the deployment process.
 - Maintained the server infrastructure and introduced infrastructure automation with Salt.
- 2007-07 – 2008-01 **Systems Engineer**, *Aperto AG*, Berlin.
- Developed a flexible backup system.
 - Worked on deployment automation and performance optimization.
 - Unified Nagios monitoring setup for all client projects.
- 2006-11 – 2007-03 **Python Developer**, *Max Planck Institute for Molecular Genetics, Klipp Group*, Berlin.
- Created a combined database for metabolic reaction information (Python).
 - Created an online survey form (PHP).
 - Refactored and extended SBMLMerge tool (Python).
- 2005-08 – 2006-11 **Diploma Thesis**, *Max Planck Institute for Molecular Genetics, Klipp Group*, Berlin.
“Modeling the TOR pathway in *Saccharomyces cerevisiae*”
- 2000-11 – 2007-07 **Web Developer/System Administrator**, *Deutsches Institut für Urbanistik*, Berlin.
- Implemented a document management system.
 - Implemented a generic online survey tool.
 - Created an authentication bridge to Novell NDS.
 - Built a ticketing system.
 - Maintained linux server infrastructure (WWW, DNS, E-Mail, firewall).
 - Built web sites for client projects.

Education

- 2007 **Diploma**, *Freie Universität*, Berlin.
1993 **Abitur**, *Cäcilienchule*, Wilhelmshaven.

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