

Jörg Thalheim

SOFTWARE ENGINEER

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Education

TU Dresden

DIPLOMA IN INFORMATIONSSYSTEMTECHNIK

- expected end July 2016
- GPA of pre-degree (Vordiplom): 2.9
- Advanced Courses: Systems Engineering & Communications Networks

Dresden, Germany

Sep. 2011 - PRESENT

Ferdinand-Sauberbruch-Gymnasium Großröhrsdorf

GENERAL QUALIFICATION FOR UNIVERSITY ENTRANCE (ABITUR)

- GPA: 2.2 (≈ B)
- Advanced Courses: Physics/Math

Großröhrsdorf, Germany

2002 - September 2010

Experience

Bell Labs

RESEARCH INTERNSHIP/THESIS

- working on autoscheduling in container-based microservices

Stuttgart, Germany

March 2016 - PRESENT

Tu Dresden

STUDENT ASSISTANT IN PARALLEL AND DISTRIBUTED SYSTEMS GROUP

- worked on Inspector — a Data Provenance Graph for Multi-Threaded Programs
- Advisor: Pramod Bhatotia (Email: <pramod.bhatotia@tu-dresden.de>)

Dresden, Germany

September 2015 - March 2016

FREELANCER

- Administrative Tasks/Consultant

July 2015 - March 2016

Whisp GmbH

SOFTWARE ENGINEER & FOUNDER

- Recommendation platform driven by user opinions
- Ruby on Rails based API
- Server administration
- Android development

Dresden, Germany

January 2013 - January 2015

FSD Fahrzeugsystemdaten GmbH

ASSISTANT

- Development of a generic car anti shock test
- Taking and Evaluating measurements

Dresden, Germany

January 2011 - August 2011

Publications

Inspector: A Data Provenance Library for Multi-threaded Programs

JOERG THALHEIM, PRAMOD BHATOTIA, AND CHRISTOF FETZER

- Accepted for IEEE ICDCS 2016.
- Preprint is available on request.
- Project Page: <https://github.com/Mic92/inspector>
- Evaluation: <https://mic92.github.io/inspector/index.html>

Projects

docker

- Maintainer of the ZFS Graph-driver
- Smaller contributions

python-mpd2

- python library for the MPD network protocol
- <https://github.com/Mic92/python-mpd2>

ansible-lxc

- Ansible Plugin to deploy to LXC Container with ansible
- <https://github.com/Mic92/ansible-lxc/>

Skills

Programming	Ruby, Python, C/C++, Go, Java, Shellscripting, JavaScript, Lua
Administration	Chef, Ansible, Mail-/Web-server, Network: BGP/OSPF/IPv6
Databases	Postgresql, Mysql, MongoDB, Elasticsearch, Redis
Web	Ruby-On-Rails, Flask, Sinatra
Languages	German, English, French
OS-Visualisation	LXC, Docker, systemd-nspawn, FreeBSD jails
Other	git, test-driven development, active in the open source community

Extracurricular Activity

C3D2 (CCC Dresden)

MEMBER

Dresden, Germany

July 2013 - PRESENT

Pentaradio

HOST

- Monthly radio show and podcast about technical subjects

Dresden, Germany

September 2014 - PRESENT

References

- [1] **Prof. Dr. Christof Fetzter** TU Dresden, Germany | ✉ christof.fetzter@tu-dresden.de
[2] **Dr. Pramod Bhatotia** TU Dresden, Germany | ✉ pramod.bhatotia@tu-dresden.de