

Witte Melvin

mewitte.com | melvin.witte@gmail.com | +49 176/43531959 | Quarzweg 66, 12349 Berlin

Currently I focus on **preparing and deploying machine images** for AWS and linux machines, as well as **fullstack web development**. In the future, I want to complete my master in a **software- or data-centric subject** and build data-centric applications to **aid people in their work**. With my professional sports experience, I am a **good team player** and can work with the **final goal and use for the customer in mind**.

EDUCATION

HASSO PLATTNER INSTITUTE

BSc IN IT SYSTEMS ENGINEERING

Jan 2020 | Potsdam, BB

University of Potsdam

Grade: Good, 2.0

ECKENER-GYMNASIUM

Grad. June 2013 | Berlin, BE

Grade: Good, 1.8

Award for Outstanding Achievements in High School Mathematics

LINKS

Github:// [mewitte](#)

LinkedIn:// [Melvin Witte](#)

COURSEWORK

UNDERGRADUATE

Human Computer Interaction - Personal Fabrication

(Research Asst.)

Operating Systems

(Research Asst. & Bachelor Thesis)

Database Systems

Internet Technologies

Agile Software Development in Large Teams

Implementing Design Patterns

SKILLS

PROGRAMMING

JavaScript • Ruby • Rails • Python • \LaTeX • HTML5 • CSS3 • SVG • SQL • SQLite3

METHODS AND TOOLS

Material Design • Agile • Fault Tolerance • CI/CD • AWS • Sequelize ORM • Terraform • Packer • Docker • Ansible • Linux • systemd • Raspberry Pi • CircleCI • GitlabCI • Zotero

LANGUAGES

German: native

English: fluent, CEFR C1 certified

EXPERIENCE

MTOMADY | DEVOPS AND INFRASTRUCTURE ENGINEER

March 2019 - Present | Berlin, BE

- Managing the **AWS Infrastructure** with **Terraform**
- Creating the **AWS AMI** for the **Interface** between several Malagasy Service Providers and the mTOMADY backend with **Packer** and **Ansible**
- Automating **GSM Calls** for Customer and Commission **Payouts** on a **Raspberry Pi** with **USB Modems** using **Ruby**, **serviced**, **Ansible**, **SQS**
- Improving the **CircleCI** workflows

FREELANCE SOFTWARE DEVELOPER | SCHÄFERS OPTIK BERLIN

Oct 2019 - Present | Berlin, BE

Designing and implementing a Customer Management System specialized for Opticians using **Electron**, **Sequelize ORM**, **SQLite3**, **Material Design** and **Materialize**

HPI AND DB SYSTEL | BACHELOR PROJECT AND THESIS

Oct 2017 - Sep 2018 | Berlin, BE

"Using CI/CD for QA of a Mobile Blockchain Application" - Grade: 1.3

- Developing a **Hyperledger Application** with **JavaScript**, an **Android Frontend** with **Java** and a **Python RESTful backend**
- Developing **CI/CD scripts** for **Hyperledger** on **GitLab**

TOMTOM - LIVE TEAM | INTERNSHIP SOFTWARE DEVELOPER

Jun 2016 - Dec 2016 | Berlin, BE

- **Processing Data** in Real Time (i.e. speed cameras, traffic jams)
- Setting up an **SSL Server** to **test Encrypted Messages** with **Java**
- **Parsing Incoming Map Data** to fit the required Data Structure
- **Evaluating** several **Message Encryptions** and **Compressions** for **Optimization**

RESEARCH

HPI - OS AND MIDDLEWARE | RESEARCH ASSISTANT

Oct 2017 - Mai 2018 | Potsdam, BB

- Experiments with a **Docker based Network Simulator**, written in **Python**
- Preparing presentations and sources on **Blockchain topics**

HPI - HUMAN COMPUTER INTERACTION | RESEARCH ASSISTANT

Feb 2017 - Oct 2017 | Potsdam, BB

- Developing **TrussFormer**, a **SketchUp Plugin** written in **Ruby**
- Building large-scale **Kinetic Structures**
- **Simulating Physical Forces** on the Model
- Create **3D-Blueprints** for different Parts of the Model

PUBLICATIONS

- [1] R. Kovacs, A. Ion, P. Lopes, T. Oesterreich, J. Filter, P. Otto, T. Arndt, N. Ring, M. Witte, A. Synytsia, et al. Trussformer: 3d printing large kinetic structures. <https://dl.acm.org/doi/10.1145/3242587.3242607>, 2018.

EXTRA(CURRICULAR ACTIVITIES)

HPI - WEBSITE CLUB

- Maintaining and improving a **Student Portal** with **Rails**
- Updating a tool to **plan the Focus Areas** of your Studies with **JavaScript**

PERFORMANCE-ORIENTED VOLLEYBALL

- Playing performance oriented Volleyball since I was 7
- Currently playing **3rd Bundesliga**
- Leading the Youth Team of the **BR Volleys** as **Team Captain** for 6 Years
- 10 Berlin Championship titles
- 2 Bronze Medals at the German Youth Championship
- 8 Participations at German Youth Championships (Indoor and Beach-Volleyball)
- Playing for the Berlin Representative Youth team

COACHING VOLLEYBALL

- Indoor: Coaching a **Youth Team** for the last 2 years, twice a week
- **Creating Training Schedules** for the Athletes
- **Organizing Youth Tournaments**
- Beach-Volleyball: Coaching an **adult Training Group**, once a week

CULTURAL EXCHANGES

- **French-German School Exchange** in 9th grade
Visiting Paris and Hosting my French Guest for 2 weeks, living in guest families
- **Israeli-German Volleyball Club Exchange** in 2019
Visiting different parts of Israel for 10 days
Hosting my Israeli Guest for 2 weeks