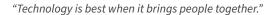
# Antonia Alice Frey

SOFTWARE & CLOUD ENGINEER

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#### **Education**

#### Karlsruhe Institute of Technology (KIT)

Karlsruhe, Germany

2018 - 2020

MASTER OF SCIENCE, ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY

· Specialization: Systems Engineering

### Skills.

**Programming** Python, TypeScript, JavaScript, Java

**Frontend** React, Vue, Angular, Material UI, Tailwind CSS, Bootstrap

**Backend** Python Django, Postman (API testing), Node.js, MongoDB / Atlas

**Cloud** EC2, S3, Cloud Functions, Firebase **DevOps** CI/CD Pipelining, Netlify, Docker

**Testing** Cypress (with Cucumber), Jest, Selenium

Agile SCRUM, Jira, Confluence, Git (GitHub, BitBucket, GitLab)

Languages German (C2), English (C1), Spanish (C1), French (B1)

## Experience \_\_

SYSTEM ENGINEER

**Devoteam** Frankfurt, Germany · Remote

SOFTWARE ENGINEER · IT CONSULTANT

Since February 2022

Jan. 2021 - Jan. 2022

- Development of a CRUD dashboard and a PWA to manage energy and water meters with ReactTS
- · Development of a technology radar for visualization and categorization of different technologies in the field of IT with VueTS
- Development of software to complement the CLI tool for network configuration with  $\mbox{\tt VueJS}$
- Test automation with Cypress (and Cucumber) and unit testing with Jest, integration in Gitlabs CI/CD pipeline
- · Communication with the backend using REST APIs, Google Maps API and implementation of MongoDB database

**ELCA Informatique SA**Granada, Spain

Automation of processes and implementation of new functionality in the ERP software with Python

- Adaptation and debugging of scripts to create business reports with Python and VBA
- Database queries with SQL (MySQL and Oracle) to verify correctness of data
- Business analysis for new features, writing user stories and acceptance criteria
- · Organization of client meetings with clients in Switzerland and Spanish, German and French speaking colleagues

Intel Labs Karlsruhe, Germany

SOFTWARE ENGINEER (INTERNSHIP)

Aug. 2019 - Jan. 2020

- $\bullet \ \ \text{Automotive software development for an open-source simulator (CARLA.org) for autonomous driving research}$
- Programming traffic scenarios which describe traffic situations and vehicle behaviors like a lane change
- Implementing unsupported Parser features as well as testing and debugging

BMW M Munich, Germany

System Engineer (Internship)

Sep. 2018 - Feb. 2019

• Developing a windows desktop app with C# to automatically translate bus communication protocols from LIN to CAN and vice versa

- Test drives for antenna measurements in disguised prototype cars
- · Organization of the annual tire change in accordance with the vehicle booking and mechanics

#### Certificates

- 2024 **Professional Python Programmer Level 1 (PCPP1)**, pythoninstitute.org
- 2023 AWS Certified Cloud Practitioner, Amazon
- 2023 Google Cloud Engineer, Google
- 2022 **Professional Scrum Master I,** Scrum.org