

Antonia Alice Frey

SOFTWARE & CLOUD ENGINEER

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“Technology is best when it brings people together.”

Education

Karlsruhe Institute of Technology (KIT)

Karlsruhe, Germany

MASTER OF SCIENCE, ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY

2018 - 2020

- 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

Devoteam

Frankfurt, Germany · Remote

SOFTWARE ENGINEER · IT CONSULTANT

Since February 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 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

SYSTEM ENGINEER

Jan. 2021 - Jan. 2022

- 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

- 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