

Antonia Alice Frey

SOFTWARE ENGINEER

☎ +49 15146782868 | ✉ Antonia.Frey@outlook.com | 🏠 Homepage | 🐞 thebughuntress | 🔗 antonia-alice-frey

“Technology is best when it brings people together.”



Education

Karlsruhe Institute of Technology (KIT)

MASTER OF SCIENCE, ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY

- Specialization: Systems Engineering

Karlsruhe, Germany

2018 - 2020

Skills

Programming	Python, TypeScript, JavaScript, Java
Frontend	React, Vue, Angular, Material UI, Tailwind CSS, Bootstrap
Backend	Python Django, NodeJS, SQL, MongoDB / Atlas
Cloud	EC2, S3, Cloud Functions, Firebase
Testing	Java/Selenium, Postman (API testing), Cypress with Cucumber, Jest
Agile	SCRUM, Jira, Confluence, Git, CI/CD Pipelines
Languages	German (C2), English (C1), Spanish (C1), French (B1)

Experience

Devoteam

SOFTWARE ENGINEER · IT CONSULTANT

- Development of applications, leveraging cloud technologies, alongside creating web applications for data visualization using modern frameworks like React, Vue, Angular and JavaScript/TypeScript.
- Test automation with Java/Selenium, Cypress and unit testing with Jest, integration in Gitlabs CI/CD pipeline

Frankfurt, Germany · Remote

Since February 2022

ELCA Informatique SA

JUNIOR PYTHON PROGRAMMER · SYSTEM ANALYST

- 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
- Performing business analysis for new features, drafting user stories and acceptance criteria, and coordinating client meetings with stakeholders in Switzerland while collaborating within an international team comprising Spanish, German, and French-speaking colleagues

Granada, Spain · Switzerland

Jan. 2021 - Jan. 2022

Intel Labs

SOFTWARE ENGINEER (INTERNSHIP)

- Automotive software development for an open-source simulator (CARLA.org) for autonomous driving research
- Creating traffic scenarios which describe traffic situations and vehicle behaviors like a lane change (with Python)
- Debugging, testing, and implementing unsupported Parser features

Karlsruhe, Germany

Aug. 2019 - Jan. 2020

BMW M

SYSTEM ENGINEER (INTERNSHIP)

- 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

Munich, Germany

Sep. 2018 - Feb. 2019

Certificates

- 2025 **ISTQB Certified Tester Foundation Level (CTFL)**, [atsqa.org](https://www.atsqa.org)
- 2024 **Professional Python Programmer Level 1 (PCPP1)**, pythoninstitute.org
- 2023 **AWS Certified Cloud Practitioner**, Amazon
- 2023 **Google Cloud Engineer**, Google
- 2023 **Google Cloud Digital Leader**, Google
- 2022 **Professional Scrum Master I**, [Scrum.org](https://scrum.org)