

Antonia FREY



PROFILE SUMMARY

Software Engineer with 4+ years of experience in Python, web development frameworks, and Java. Since the beginning of my career, I have contributed to diverse projects across industries like telecommunications, automotive, and energy, building applications from scratch, implementing new features, and solving complex problems in agile, international teams. As a team player, I thrive in collaborative environments, enjoying the opportunity to work together to achieve goals. Moreover, I value simplicity, thoughtful design, and creating maintainable solutions, with a strong emphasis on testing to ensure robust, reliable software. Beyond my technical skills, I am flexible, communicative, and always eager to learn new technologies and share knowledge.

CONTACT DETAILS

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PERSONAL INFORMATION

Citizenship: **Swiss, German**
Languages:
• **German** (C2)
• **English** (C1)
• **Spanish** (C1)
• **French** (B1)

TECHNOLOGIES & TOOLS

- **Programming Languages**
Python, TypeScript, Java, C#
- **Frontend**
React, Vue, Angular, Redux, Material UI, Bootstrap, Tailwind CSS, HTML/CSS
- **Backend**
Python Django, NodeJS, MongoDB, SQL
- **Testing**
Java/Selenium, Postman (API Testing), Cypress / Cucumber, Jest
- **Agile Practices**
Git, CI/CD, SCRUM, Jira, Confluence

EXPERIENCE

SOFTWARE ENGINEER · IT CONSULTANT

Devoteam GmbH, Frankfurt, Germany · Remote

February 2022 – Now

- ◇ Development of web applications, leveraging cloud technologies, for data visualization using frameworks like React, Vue, and Angular, using frontend libraries like MaterialUI and Bootstrap, with TypeScript or JavaScript.
- ◇ Translating client requirements into technical solutions, participating in meetings to ensure alignment with stakeholder expectations
- ◇ Delivering and testing urgent fixes, programming automated tests with Java/Selenium, Cypress, and unit testing with Jest
- ◇ Implemented Git integration within GitLab CI/CD pipelines to optimize version control and automate deployment workflows.
- ◇ Collaborated in an Agile Scrum environment using Git, Jira, and Confluence to manage tasks and document workflows.

SYSTEM ANALYST

ELCA Informatique SA, Granada, Spain · Switzerland

Jan. 2021 – Jan. 2022

- ◇ Automation of business-critical processes and implementation of new functionality in the company-wide production ERP system with Python.
- ◇ Programming and changing VBA scripts to generate business reports.
- ◇ Querying databases using SQL to ensure data accuracy and integrity.
- ◇ 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.

SOFTWARE ENGINEER (INTERNSHIP)

Intel Labs, Karlsruhe, Germany

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 (with Python).
- ◇ Debugging, testing, and implementing unsupported Parser features.

SYSTEM ENGINEER (INTERNSHIP)

BMW M, Munich, Germany

Sep. 2018 – Feb. 2019

- ◇ Developing a Windows desktop app with C# to automatically translate bus communication protocols from LIN to CAN and vice versa.
- ◇ Antenna measurements during test drives in disguised prototype cars.
- ◇ Organization of the annual tire change for vehicle fleets in coordination with vehicle bookings and mechanics as well as measurement and technical documentation of wheelbase parameters.

EDUCATION

M. SC. ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY

Karlsruhe Institute of Technology (KIT)
2018 – 2020

B. SC. ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY

Karlsruhe Institute of Technology (KIT)
2013 – 2018

CERTIFICATIONS

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