ANTONIA FREY

ABOUT ME

Software Engineer with 5+ years of experience. 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 finding solutions. Beyond my technical skills, I am flexible, communicative, and motivated to expand my knowledge, master new concepts and share knowledge. If there are any tools or technologies that I am not yet familiar with, I am committed to learn them.

CONTACT

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PERSONAL INFORMATION

Citizenship: Swiss, German

Located in: Freiburg (Germany)
Les Houches (France)

Languages:
- German (native language, C2)
- English (C1)
- Spanish (C1)
- French (B1)

TECHNOLOGIES & TOOLS

- **Programming Languages**
  Python, TypeScript, JS, Java, C#
- **Frontend**
  React, Vue, Angular, Redux, Material UI, Bootstrap, Tailwind CSS, HTML/CSS
- **Backend**
  Python Django, NodeJS, MongoDB, SQL
- **Testing**
  Java/Selenium, Cypress / Cucumber, Postman (API Testing), 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 with React, MaterialUI, with TypeScript or JavaScript, increasing user satisfaction through the implementation of new functionality.
- ◇ Transforming client requirements into technical solutions, collaborated in meetings to ensure alignment with stakeholder expectations
- ◇ Resolving bugs, validating urgent fixes, developing automated tests with Java/Selenium, Cypress, leading to a reduction in system downtime
- ◇ Implemented Git integration within GitLab CI/CD pipelines to optimize version control and automate deployment workflows.
- ◇ Contributed to 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.
- ◇ Creating and optimizing VBA scripts to generate business reports.
- ◇ Querying databases with SQL to ensure data accuracy and integrity.
- ◇ Conducted 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 used for autonomous driving research.
- ◇ Developed 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.
- ◇ Coordination of the annual tire change for vehicle fleets, including vehicle bookings, mechanic scheduling, and measurement/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

- ◇ 2024 **Professional Python Programmer Level 1**, *pythoninstitute.org*
- ◇ 2024 **ISTQB Certified Tester Foundation Level**, *atsqa.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*