KEYSIGHT

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Application Developer UI

Locations: Frankfurt-am-Main, Germany

Category: R&D

Req ID: 48376

Job Type: Regular

Open to Remote: No

Position Type: Full Time (F)

Travel: 10-25%

Country: Germany

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Job Description

Overview

Keysight (https://www.keysight.com/us/en/about.html) is on the forefront of technology innovation, delivering breakthroughs and trusted insights in electronic design, simulation, prototyping, test, manufacturing, and optimization. Our ~15,000 employees create world-class solutions in communications, 5G, automotive, energy, quantum, aerospace, defense, and semiconductor markets for customers in over 100 countries. Learn more about what we do. (https://www.youtube.com/watch?v=ykxkSz5DlPo&t=16s)

Our award-winning (https://jobs.keysight.com/awards) culture embraces a bold vision of where technology can take us and a passion for tackling challenging problems with industry-first solutions. We believe that when people feel a sense of belonging, they can be more creative, innovative, and thrive at all points in their careers.

About the Role

In this hybrid role combining UI expertise with broader software engineering, you'll contribute to the development of next-generation simulation applications that integrate real-world physics, interactive visualization, and responsive user interfaces.

As a **UI Software Engineer – Simulation Applications**, you won't just focus on aesthetic frontend components—you'll work across the presentation and application layers, contributing to the overall architecture, functional behavior, and user experience of complex engineering tools. This includes enabling seamless data interaction, responsive controls for simulation parameters, and integration of real-time results.

Your work will directly impact how engineers across domains interact with simulation environments that support their product innovation and validation.

About the Team

Join a collaborative and international R&D team based in Frankfurt, working closely with colleagues in the USA and other global locations. You'll be part of an agile group of frontend developers and UX designers, backed by experienced software architects and domain experts in physics and mathematics.

Responsibilities

- Collaborate with product managers and UX designers to translate user needs into intuitive UI features.
- Develop and design new software features for our engineering applications to meet key market and next-generation product goals.
- Maintain and enhance existing applications.
- Ensure high-quality code with automated testing and documentation.
- Contribute to code reviews and continuous integration processes.

Qualifications

Required Qualifications

- Bachelor's or Master's degree in Computer Science or a related field.
- Solid experience with **C++** and **object-oriented software design**.
- Proficiency in **Qt Widgets** for UI development.
- Understanding of modern software architectural principles.

- Professional-level fluency in **English** (spoken and written).

Desired Qualifications

- Strong analytical skills and the ability to understand and implement complex requirements.
- Effective communication and teamwork in multicultural environments.
- Familiarity with **C#** or **Python**.
- Experience with **CI/CD tools** (e.g., Jenkins, GitLab CI/CD).
- Knowledge of **CMake**, **Conan**, or similar tools for dependency and build management.

Please Note the Work Model before applying:

This position is **not remote**, tho Keysight offers a **very flexible working arrangement** designed to support productivity and work-life balance. We expect the candidate to relocate to the Frankfurt area, near our office.

We value flexibility and trust our teams to coordinate in a way that supports both individual needs and team effectiveness.

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