Senior Software Developer (m/f/d) – JVM (Kotlin, Compose) in MedTech

Employer: PERCEPTEC GmbH

Location: Technologie- und Innovationspark, Moritz-von-Rohr-Str. 1a, 07745 Jena

Employment type: Full-time (partially remote work possible)

Start: Immediately

About us

PERCEPTEC GmbH is a young, innovation-driven and multi-award-winning company in the heart of Jena's start-up community. We develop new diagnostic methods in optometry and ophthalmology — driven by the disruptive changes happening in eye care. Right now, we are building a virtual eye test. It determines visual impairments of the human eye reliable and quick without an examiner.

Our tech stack

JVM (Kotlin, Compose Multiplatform, Gradle, JDK 21, SQLDelight with SQLite, Koin).

How we work

We make heavy use of agentic AI coding to speed up software development.

Your role

You build the application that opticians, optometrists and ophthalmologists use every day. It is Software in a Medical Device under the EU MDR. That means documentation, traceability and patient safety are part of every feature, not a separate phase.

You own client features end to end. You shape the architecture with us. You also connect the app to components built outside it — a measurement device SDK and AI models developed with our external partners.

You will be one of two developers in a team of six.

Your tasks

- Build features in our Kotlin desktop application, from the domain logic to the screen.

- Extend our own design system. It is generated from Figma design tokens and built on Compose.
- Integrate externally developed components behind clean interfaces. Own what the app does when they fail.
- Integrate the AI models our partners develop into the diagnostic workflow. Work together with our partners and bring your own AI knowledge to find a good solution.
- Build our release pipeline. We do not have one yet. It needs signed installers for macOS, Windows and Linux, plus in-app updates.
- Write tests first at the seams that matter. Keep the chain from requirement to test visible.
- Keep the code clean and easy to change. Review your colleagues' code and expect the same back.
- Work directly with eye care specialists. Turn clinical needs into software that works in a practice.
- Document everything to meet the MDR regulation

Your profile

- Bachelor's or master's degree in Computer Science, Engineering, Mathematics or a related field.
- 4+ years of professional software development experience.
- Strong JVM development skills — Kotlin or Java. Kotlin Multiplatform and Compose are a big plus. We are happy to bring you up to speed.
- Solid working knowledge of Python.
- Experience integrating third-party engines, SDKs or AI models into a product. The ability to improve and tune models yourself, not just integrate them, is a huge plus.
- Experience of integrating hardware into software is a huge plus.
- Good knowledge of SQL and relational data modelling.
- Good understanding of integrating hardware into a software product.
- Practical experience with test-driven development, Git and modern build tooling.
- Knowledge of building CI/CD for desktop software from scratch.
- Experience in medtech or healthcare is a plus. So is any exposure to regulated development.
- Strong analytical skills. An independent, structured and proactive way of working.
- Very good English and good German (B1+).

Your benefits with us

- Shape the architecture of a product early, while the decisions are still open.
- Permanent employment contract.
- Flexible working hours. A remote start is possible until you relocate, then work from Jena.
- Participation in the company's success through our employee participation program.
- Receive tax-free additional benefits
- Not familiar with every technology yet? No problem. We support you with a dedicated program for your professional development.

Application

We look forward to your application.

Send your CV to **jobs@perceptec.de**, together with a short description of how you use agentic AI to build software. GitHub or personal projects are welcome.

Please state your earliest possible start date and your salary range.