



Securecell is a Swiss technology company at the intersection of biotechnology, engineering, and healthcare. For more than three decades, we have been developing innovative solutions that help advance scientific discoveries and improve people's lives. Combining deep expertise in bioprocess control with a strong culture of innovation, we collaborate across disciplines to transform complex challenges into practical technologies that create real-world impact.

Continuing steadily on our sustainable innovation path and growth journey, we are looking for a

SR. ELECTRONICS & FIRMWARE ENGINEER

for our MedTech business

THE OPPORTUNITY

This is more than just a job. It is an opportunity to contribute to technologies that support groundbreaking scientific discoveries and help shape the future of biotechnology and healthcare.

As a member of our **MedTech** team, you will play an important role in designing, developing, verifying, and managing the lifecycle of embedded electronic and firmware solutions for innovative medical devices used in blood parameter monitoring and diabetes care. Working closely with experts from various disciplines, you will contribute to challenging projects, develop innovative solutions, and help deliver products that create value for our customers worldwide.

Whether you are improving existing technologies, driving innovation, or solving complex technical challenges, your contributions will have a direct impact on our success and future growth.

You are part of our **MedTech** Team and accountable for the design, development, verification, and lifecycle management of embedded electronics and firmware. In this role, you develop, oversee, and maintain electronic hardware, embedded software, and sensor integration solutions for innovative medical devices.

WHAT YOU WILL DO

- Design, develop, integrate, and verify embedded electronic systems and firmware for innovative medical devices used in blood parameter monitoring and diabetes care
- Translate product and system requirements into robust electronic hardware and embedded firmware solutions, from feasibility studies and prototyping through industrialization and manufacturing transfer
- Develop embedded firmware in C/C++ for microcontroller-based systems and contribute to the definition of software architecture and design
- Design analog, digital, and mixed-signal electronic circuits, including sensor interfaces, communication modules, and battery-powered devices
- Create, review, and maintain technical documentation, including specifications, design descriptions, test plans, verification reports, and software documentation
- Build, test, and optimize prototypes and pre-production electronic assemblies to support product development
- Perform hardware bring-up, electronic debugging, troubleshooting, and root-cause analysis using laboratory equipment such as oscilloscopes and logic analyzers
- Plan and execute verification activities, including simulations, reliability assessments, functional testing, and design reviews to ensure product performance and quality
- Collaborate closely with multidisciplinary teams across Systems Engineering, Mechanical Engineering, Quality, Regulatory Affairs, Manufacturing, and Product Management
- Support requirements management, risk management, and compliance activities in accordance with applicable medical device standards and quality requirements
- Evaluate and integrate sensors, wireless communication technologies (BLE, Wi-Fi), and other embedded technologies into next-generation products
- Coordinate and contribute to external development activities, working effectively with suppliers and development partners when required
- Drive continuous improvement, innovation, and technical excellence throughout the product lifecycle



WHO YOU ARE

You enjoy solving complex technical challenges and thrive in an environment where electronics, embedded software, sensing technologies, and medical innovation come together. You are proactive, hands-on, and motivated to develop technologies that improve blood parameter monitoring and diabetes care. You are comfortable working under pressure, operating with high visibility toward senior management, and collaborating within cross-functional and agile teams.

YOUR PROFILE

- Degree in electronics engineering, or equivalent experience and expertise
- Proven experience with product development from concept to manufacturing
- Minimum 3 years of professional experience in electronic product development
- Proven experience with specifications, design, and development of electronic systems, preferably in a regulated environment such as pharmaceuticals or the medical device industry
- Proven experience in analog, digital, and mixed-signal circuit design, including schematic capture, component selection, and PCB design/review
- Hands-on experience in electronic debugging, troubleshooting, and root cause analysis using laboratory equipment such as oscilloscopes and logic analyzers
- Experience in development of firmware for products and prototypes
- Experience in Programming, particularly in C and C++
- Experience in analysis and documentation of specifications, preparation of technical documentation, Software documentation
- Experience in conducting tests and code reviews
- Experience in building, testing, and improving functional models, prototypes, and 0-series electronics
- Hands-on experience in prototype assembly, soldering and hardware debugging
- Excellent communication skills in English; German is an advantage
- Swiss work authorization or eligibility to work in Switzerland
- We accept direct applications only (no agency submissions)

PREFERRED

- Knowledge of System Engineering and requirements management
- Experience working with standards and guidelines, creating test plans, and conducting feasibility studies
- Experience in electronic design verification through simulation, reliability calculation, and testing
- Experience in sensor interfacing, wireless device development (BLE, Wi-Fi), Battery-powered devices
- Experience working with Agile methods such as Scrum
- Confident in managing outsourcing and conducting negotiations with external suppliers
- Experience with PCB layout design and review
- Familiarity with Altium Designer

WHAT WILL MAKE YOU SUCCESSFUL

- Experience in biotechnology, bioprocessing, pharmaceuticals, medical devices, diagnostics, or life sciences
- Passion for innovation and technology
- Ability to navigate ambiguity and identify practical solutions
- Strong sense of ownership and accountability
- Curiosity and a continuous learning mindset
- Strong interpersonal skills and the ability to build trusted relationships across disciplines
- Experience working in multidisciplinary and international environments



WHY YOU'LL LOVE WORKING AT SECURECELL

Make an Impact: Your work contributes to innovative technologies that support scientific progress, improve healthcare outcomes, and help address real-world challenges

Work with Exceptional People: Join a global team of talented scientists, engineers, software developers, and business professionals who are passionate about innovation and collaboration

Grow Your Career: We encourage continuous learning and provide opportunities to develop new skills, expand your expertise, and take on new challenges

Innovate Every Day: Be part of cutting-edge projects and help develop solutions that push the boundaries of biotechnology, automation, and healthcare technology

Take Ownership: We believe great ideas can come from anywhere. You'll enjoy a high level of responsibility, autonomy, and the opportunity to make a visible contribution

Enjoy a Collaborative Culture: Our success is built on teamwork, knowledge sharing, mutual respect, and a genuine passion for solving complex challenges together

Be Part of Our Growth Story: Join a growing Swiss technology company where innovation, entrepreneurship, and long-term thinking are at the core of everything we do

WHAT WE OFFER

With flexible working arrangements, a modern workplace, flat hierarchies, and short decision-making paths, we empower individuals to take ownership, contribute ideas, and make a visible impact. Our culture is built on trust, collaboration, and continuous improvement, allowing every team member to help shape the future of our company and the industries we serve. To complement this, we offer:

- Competitive compensation aligned with your experience and contribution
- Comprehensive benefits package supporting your well-being
- Generous vacation entitlement, flexible working hours, and hybrid or remote work options
- Flexible leave arrangements that support work-life balance
- Learning and development opportunities through training, mentoring, and hands-on experiences
- Opportunities to collaborate with international customers and partners
- Convenient location with direct access to public transport, free indoor parking, complimentary coffee and mineral water
- Private accident insurance and paid time off for new parents
- Employee share purchase programs (availability varies upon eligibility)
- Regular team events and company gatherings that strengthen connections and celebrate success

JOB LOCATION

This position is based at Securecell AG headquarters in Urdorf (Zurich), Switzerland.

INTERESTED?

We look forward to learning more about you! Please submit your complete application, including a cover letter, a resume, certificates, and references, through our career portal [at www.securecell.ch/jobs](https://www.securecell.ch/jobs), and share, in 2-3 sentences, what attracted you to our company and this role.