

Job role	Chief Technology Officer (CTO)
Department	R&D
Location / Working place	Meyreuil (France) with frequent visits to Geneva

Key Responsibilities

- **Strategic Leadership:** Develop and execute the company's technology strategy in alignment with business objectives, focusing on quantum and post-quantum solutions.
- **Innovation and R&D:** Lead research and development efforts in Post-Quantum Cryptography (PQC), secure semiconductor design, and quantum-resistant technologies.
- **Product Development:** Oversee the design, development, and deployment of secure chips, cryptographic protocols, and cybersecurity solutions.
- **Quantum-Resilience Roadmap:** Develop a comprehensive roadmap for quantum-resilient products and services to prepare for quantum computing threats.
- **Collaboration:** Work closely with internal stakeholders, including engineering, sales, marketing, and operations, to drive technological initiatives.
- **Industry Leadership:** Represent SEALSQ at conferences, industry panels, and forums, establishing the company as a thought leader in PQC and cybersecurity.
- **Investments and Partnerships:** Forge strategic investments and partnerships with research institutions, technology partners, and industry bodies to advance quantum security initiatives.
- **Team Development:** Build, mentor, and lead high-performing engineering and technology teams.
- **Compliance and Security Standards:** Ensure all products comply with relevant security standards and certifications (NIST, ISO, etc.).

Required Qualifications	<ul style="list-style-type: none"> • Education: Master's or Ph.D. in Computer Science, Electrical Engineering, Cryptography, or a related field. • Experience: 10+ years in a senior technology leadership role, preferably in cybersecurity, semiconductors, or quantum computing industries. • Technical Expertise: Proven experience in quantum cryptography, post-quantum algorithms (e.g., NIST PQC standards), and secure hardware design. • Industry Knowledge: In-depth understanding of cybersecurity threats, cryptographic protocols, and semiconductor manufacturing processes. • Leadership: Demonstrated ability to lead large, cross-functional teams and manage complex projects. • Communication: Strong communication and presentation skills, with the ability to translate complex technical concepts for non-technical audiences. • Visionary Thinking: Ability to anticipate industry trends and position SEALSQ as a pioneer in quantum-resilient technologies.
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<p>Preferred Skilled</p>	<ul style="list-style-type: none"> • Certifications: Relevant certifications in cybersecurity (CISSP, CISM) or cryptography. • Global Experience: Experience working with international teams and clients. • Innovation Track Record: Proven ability to innovate and bring new technologies to market.
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Why Join SEALSQ?

- **Innovative Environment:** Work on groundbreaking technologies that address emerging quantum threats.
- **Global Impact:** Contribute to securing devices and data across critical industries worldwide.
- **Career Growth:** Lead and shape the future of a rapidly growing company in a dynamic industry.
- **Competitive Package:** Attractive salary, benefits, and opportunities for professional development.

Application Process:

Interested candidates should submit their resume and a cover letter to ipecharroman@sealsq.com with the subject line "CTO Application – SEALSQ."

SEALSQ is an equal-opportunity employer and values diversity. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.