

Job Offer

Solution Architect HW- SW

Date: June 17, 2026

Job role	Solution Architect HW-SW
Department	Product Management
Working place	Meyreuil - France
Starting Date	ASAP

Missions

We are seeking a seasoned Solution Architect with dual hardware and software expertise to drive the design, integration, and delivery of our end-to-end embedded security solutions.

In this role, you will own the security architecture from the chip to the cloud layer.

Your scope will encompass robust PKI infrastructure, secure element integration, in-the-field lifecycle management, and solutions using next-generation post-quantum cryptography (PQC).

A key part of your role will involve collaborating with Marketing and customers to evaluate new project opportunities, while simultaneously partnering with the joint HW/SW engineering teams to guide day-to-day backlog execution.

Main responsibilities

- Own the Security Architecture & Design runway of our Secure Element solution, including Embedded SW, Application, and Lifecycle Management
- Own the solution from bare metal SW to cloud application
- Translate customer and market needs into clear hardware and software architecture specifications
- Define and manage product requirements, including interfaces, performance targets, security features, and integration constraints
- Co-develop architecture concepts with engineering teams, ensuring feasibility, scalability, and reuse across product lines
- Drive alignment between product definition, silicon implementation, firmware, and system integration

Job Offer

Solution Architect HW- SW

- Own the technical product roadmap, balancing innovation, customer commitments, and platform consistency
- Ensure compliance with relevant standards (FIPS, Common Criteria) and alignment with ecosystem requirements

Requirements

Experience	<p>10 years of experience and a track record in this technical field.</p> <p>Strong background in secure embedded SW and its secure ecosystem.</p>
Skills	<p>Proven experience translating system-level requirements into HW/SW architecture (e.g., security subsystems, root of trust, cryptographic engines)</p> <p>Deep understanding of hardware security concepts: secure boot, attestation, key management, isolation, side-channel resistance</p> <p>Embedded Software: Expert-level development in C/C++ for bare-metal systems, RTOS or embedded Linux, JavaCard platform</p> <p>Strong understanding of NIST PQC standards</p> <p>PKI Protocols: Mastery of certificate lifecycle management and device enrollment protocols adapted for the field</p> <p>Deep understanding on key management from cloud to chip, including in-field device management</p> <p>Ability to engage in detailed technical discussions with architects and engineers while maintaining product-level vision</p> <p>Experience with industry standards and certification schemes (TCG TPM, FIPS 140-3, Common Criteria) is a strong plus</p> <p>Strong analytical and problem-solving skills, with a structured approach to trade-off analysis</p> <p>Pragmatic Gatekeeper: possesses the business acumen to sit with Product Management and Marketing to evaluate incoming RFPs (Requests for Proposals) or market trends, estimating technical feasibility and security</p>

Job Offer

Solution Architect HW- SW

	<p>scope early on</p> <p>Day-to-Day Owner: capable of working directly with developers and product owners to groom, prioritize, and drive the daily engineering backlog.</p>
Others	<p>Strong communication skills to bridge customers, architects, and business stakeholders.</p> <p>Comfortable operating at a low-level technical detail while maintaining a product and customer perspective</p> <p>Pragmatic and solution-oriented, with the ability to make trade-offs between performance, cost, and security</p> <p>Fluent in English and French</p>

Why Join Us?

- Join a fast-growing, NASDAQ-listed technology company with strong international exposure.
- Contribute to the development and industrialization of next-generation post-quantum secure semiconductors.
- Be part of a collaborative and innovation-driven culture.
- Enjoy flexible working conditions with two days of remote work per week, in a pleasant environment near Aix-en-Provence.

Application

Please send your application and cover letter to: SEALSQ-recrutement@sealsq.com