

CTO position at WISEKey.

Objective to Drive the WISEKey Foresight Platform:

WISEKey transformation into a major 4th Industrial Revolution platform is well underway with the launch of the WISEKey Foresight Platform (tm) expanding from what originally was only a Cybersecurity IOT platform to take advantage of emerging technologies like artificial intelligence (AI), machine learning, advanced analytics and blockchain on top of their business data.

The WISEKey Foresight Platform gives customers a simple way to embrace all of these 4IR technologies developed by WISEKey without compromising Trust and Security which is the DNA of the company. WISEKey has packaged its Cybersecurity and IoT technology with AI and Blockchain so instead of just helping customers embrace Microchips, PKI, IoT and AI with individual sets of products licenses WISEKey expanded Foresight to the whole spectrum of WISEKey solutions solving customers' needs.

The scalable approach of Foresight allows customers coming from different angles and needs to benefit from the complementarity of the platform and it's easy to use licensing model. Customers only using WISEKey for Cybersecurity solutions can now expand their use to IoT, acquire Microchips, add Blockchain and Cryptocurrency technologies, and connect to AI clouds without the need to leave the Foresight Platform or compromising their Trust Models. One of the advantages of the Foresight Platform is that is to get different elements to "talk together". This means that the Foresight Platform can be integrated with customers' existing systems.

The Foresight Platform can be used for various use cases in the same deployment. It can be deployed as a Next Generation IoT Platform, allowing deployment of readily off-the-shelf converged objects, allowing extension to as business requires a more sophisticated use of the Platform.

Job Description

- Assimilate and understand the competitive landscape to identify key emerging technology trends in the Cybersecurity, IoT, Blockchain and AI market
- Lead investigation into specific Platform technologies including performing in-depth analysis of the tradeoffs between different choices and approaches
- Strive to predict the "next big thing" in the market
- Collaborate with technology strategists throughout WISEKey Group to scout for new technologies and partners that would fill key gaps in our WISEKey Foresight Platform portfolio
- Aid in driving efforts in key standards bodies and consortia efforts
- Assist with Partnerships, Investments and M&A recommendations
- Assist with market research to recommend use cases with both the most compelling business value for customers
- Assist with the development of business cases for new solution investments
- Assist with WISEKey relations with partners such as IBM Watson and Microsoft
- Pitch new technologies and solution ideas to executive stakeholders
- Collaborate with marketing planners in the WISEKey Solutions Division and across the company to define a holistic vision for collective Cybersecurity, IoT, Blockchain and AI offerings with a focus on innovative new technologies. Similarly, engage with strategic ecosystem partners to map out joint strategic opportunities as appropriate.
- Aid planning/marketing colleagues in the development of solution requirements to ensure ideal customer experience and maximum impact across the WISEKey IP and Patent portfolio
- Participate in customer briefings and comms activities (e.g. AR, PR and social)
- Evangelize WISEKey Foresight Platform and integration with Cybersecurity, IoT, Blockchain and AI efforts in the market

- Generate Intellectual Property (IP)

Required

- Bachelor's Degree in a related technical field (e.g. Computer Science, Electrical Engineering) and 15+ years of experience in front-end R&D and solution development with a proven track record of delivering results
- At least 5 years serving as a technology strategist in a R&D organization such as the Office of the CTO
- Strong track record in forecasting emerging technology trends and creating actionable plans to intersect them with solution offerings
- Subject matter experience in IoT and key tech trends for digital transformation (e.g. distributed computing, AI, blockchain, AR/VR, voice/NLP, wearables)
- Experience in planning and/or deploying complex solutions comprised of hardware and software
- Experience with facilitating standards/consortia efforts and/or open source development
- Strong executive communication and project management skills
- Ability to reduce complex technology solutions into simple concepts including associated design tradeoffs and effectively articulate these concepts to a mix of technical and business-minded audiences
- Demonstrated experience with making decisions between the inherent tradeoffs of features, cost and schedule when developing and implementing solutions for scale
- Strong analytical abilities and a natural predisposition towards using data to make decisions
- Ability to make reasoned decisions in the face of uncertainty or imperfect data
- Ability to work effectively across diverse functional teams spanning CTO, engineering, marketing, procurement, operations and sales, in addition to engaging with partners
- Experience communicating with customers, partners, product management and engineering to collect requirements, describe and clarify technology trends, technical designs, and product/solution strategy
- Knowledge of the current IoT landscape, trends and platforms (e.g. Azure IoT Suite, AWS IoT, Google IoT Core, SAP Leonardo, IBM Watson, Software AG Apama)
- Working knowledge of business case development
- Occasional work outside of normal business hours, attendance at after hour meetings, and business travel

Strongly desired

- Master's Degree in a related technical field
- Experience working with both IT and OT (Operations Technology) organizations
- Ability to code in at least one modern programming language (e.g. Java, Javascript, Python, Go Lang)