Software Architect

Company: Johnson Controls International

Location: Belfast

Category: architecture-and-engineering

As a global leader in smart, healthy and sustainable buildings, our mission is to reimagine the performance of buildings to serve people, places and the planet. Our global team creates innovative, integrated solutions making the people, facilities, and assets safe with our industry-leading security solutions. We are passionate about improving the way the world lives, works, and plays. This is an exciting opportunity to develop the next generation of AI-driven security solutions. Your role will have a large impact, as the technology you develop will be used to protect people, facilities, and assets around the world.

You will be working with a talented team of architects, AI scientists, product managers, UI/UXD specialists, Software, Hardware, and QA engineers. Our teams are spread across several locations including Boston MA, Indianapolis IN, Belfast UK, Tel-Aviv Israel, Bangalore & Delhi India and Montreal Canada.

What we want

We are looking for a hands-on technical leader to help architect, design and develop innovative solutions for access control and video. You will work closely with other architects, team leads and developers to design, implement and optimize our on-premise, cloud and hybrid applications and services. You will have experience of a wide range of technologies and can be hands-on writing code. You will have a proven background in architecting, designing and developing large scale on-premise and cloud solutions.

How you will do it

Drive architecture discussion, keeping stakeholders productively engaged.

Participate in the full development life cycle from requirements to implementation.

Translate Customer Requirements into Technical Solutions, working closely with Product Management to ensure the product meets customer expectations.

Get involved in hands-on implementation.

Provide architectural leadership and guidance to technical teams to ensure the solution is robust, secure, highly scalable, and cost effective.

Champion technological changes and work on highly complex issues with broad strategic implications.

Develop creative solutions and functional prototypes to demonstrate proof of concept and to enable rapid confirmation of design ideas.

Follow secure development processes including contributing to threat analysis, participating in design reviews, and in code reviews.

Resolve complex technical issues through research and investigation.

What we look for

Required:

Ability to work from the Belfast office three days per week.

BSc/MSc/PhD in Computer Science, Software Engineering, Electrical Engineering or similar

10+ years experience in developing complex enterprise products and solutions

Webservices/Microservices experience

Track record of designing and developing for cloud solutions on Azure, AWS or Google.

Experience designing and building RESTful APIs.

Basic understanding of networking and protocols (TCP/IP, HTTP, TLS, MQTT, etc.)

Experience with pub/sub and queue technologies (Kafka and RabbitMQ)

Understanding of asynchronous vs. synchronous message processing

Highly proficient in some of the following: Python, C++, Angular, NodeJS, SQL, NoSQL.

Solid understanding of cybersecurity with emphasis on designing software for security.

Experience with modern frameworks and ability to quickly learn unfamiliar technologies.

Capable of working individually, or with a large team comprised of multiple disciplines.

Strong written and verbal communication skills.

Desirable:

Experience with hybrid on-premise/cloud-computing implementation and integrations.

Experience with AI and Deep Learning technologies, particularly for Computer Vision.

Experience with Data Analytics.

Domain knowledge in Physical Security such as Video Surveillance and Access Control.

Experience with designing and developing IoT solutions.

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