JITSUIN

Senior Software Engineer. Cambridge UK. IoT.

As a key member of the engineering team this Senior Software Engineer will make a significant contribution to setting the technical direction of the company's products and bringing high quality solutions to market.

This position focuses on the integration of the Jitsuin applications and services with IoT technology stacks, this is not an embedded role.

Key responsibilities

- Design, implement and deploy integrations with popular IoT full stacks; production lines, connected devices and IoT cloud services.
- Define appropriate metadata for evaluating trustworthiness of Things throughout their lifecycle
- Producing elegantly structured, secure, efficient, scalable, reliable code

Skills

The Senior Software Engineer will possess three or more, and a desire to learn others, from;

- IoT cloud stacks, one or more of
  - Azure Sphere
  - AWS IoT Core / Greengrass
  - ARM mBed / Pelion
  - Siemens MindSphere
  - GE Predix
- Integration with IoT device identity providers
- Application level security concepts
- Software design and development
  - Linux based SaaS
  - Golang microservice development
  - REST / gRPC APIs
- DevOps, test automation and deployment
- Appreciation of embedded OS and hardware security properties

Required experience

- 3 years + in design and development of IoT related systems
- Track record of delivering high quality software in an Agile development process
- Demonstrable experience of application / service development from conception to successful deployment

Qualifications

Bachelor's degree in Computer science or related discipline; post graduate degree preferred.

Desired attributes

- Proactive - Develops practical solutions, takes ownership, and has a 'can do' approach
- Technically Curious – Regards technology problems as challenges
- Teamwork – Engaged with the business, communicates openly, shares information and knowledge, networks internally and externally, persuades rather than pushes, involves and respects colleagues
- Creative – Connects the technical dots with a goal of building customer value
- Responsive - Always reacts quickly and with a sense of urgency in a timely and flexible fashion

Company Summary

Internet connected Things need maintenance to produce clean and reliable data for enterprise. It is a shared responsibility to maintain Things through updates. Our vision is to align everyone in the value chain for safe, efficient and sustainable Internet Things that create truthful data for man or machine to act with assured intelligence.

Jitsuin is founded by industry veterans with expertise in silicon chip security architecture, secure software development, cryptography and device manufacturing. The team applies blockchain technology to shared device lifecycle management as a foundation for truthful data, which enables autonomous smart contracts and open data markets to realize the true value of IoT.

Jitsuin means Truth in Things.

The problems we're solving

The Internet of Things has a problem with data silos – it's difficult for data to move across domains. The new data economy can only exist when all the devices producing the data are trusted to be safe and secure throughout their entire lifetime.

Jitsuin shared device lifecycle assurance is the crucial ingredient for sustainable industrial automation and connected living at scale.