

1 Job Title: Senior Android Developer with AWS IoT

1.1 Job Family: Technology/Delivery

1.2 Reports to: Software Development Manager

2 Job Purpose

Service Robotics Ltd (SRL) is bringing technology to vulnerable adults to assist them in the later stages of their lives, keeping them in contact with loved ones and carers and allowing them to access the benefits of modern technology. We want to remove the barriers to technology adoption and help everyone access the benefits that it can bring, while alleviating loneliness and isolation.

We are looking for a highly capable software development professional to assist us in our next stage of growth.

2.1 Job description

The Senior Android Developer will take ownership of the Genie Android Application and integrate the solution with our own proprietary API and other external services and Bluetooth devices. This is a key job where you will be recognised as the product owner and you will be key to the development of the business and take ownership for future development. You will work with our Software Development Manager, Stakeholders, and Pilot Users to agree new features and contribute to functional and non-functional designs in this pivotal time and also advise managers on estimated effort, technical implications and complexity surrounding designs and implementations.

As a senior developer you will work with your peers to develop policy and standards, share knowledge and mentor those around you. You will do this while advising on new technologies and approaches, with room to learn, develop and grow.

Senior Android Developer with AWS IoT Essential Technical Skills:

- AWS IoT including Device Provisioning, Digital Twinning, Secure Communication
- Java
- Kotlin
- Apple iOS & Android 6+
- Xamarin
- Integrating with external RESTful APIs and services
- Experience in software development for high capacity/high traffic/high availability systems

- Familiar with Cloud Messaging APIs, Push Notifications, Queues
- Using on-board USB/NFC/RFID/Bluetooth/WIFI management
- TDD & Automated Testing

Senior Android Developer with AWS IoT Desired Skills:

- Amazon Voice & Lex Skills
- Knowledge of best practices in mobile design (bandwidth estimation, cost considerations)
- Knowledge of Android & Apple Services
- Bitbucket
- JIRA & Confluence
- Knowledge and preferably experience with Edge Computing in an Android environment
- Machine Learning and Ai at Edge

Other Necessary Skills:

- Experience of successful delivery of software design and development for mobile applications
- Producing scalable, secure, performant applications in line with software development principles, practices, and patterns
- Can prioritise non-functional concerns for customers and experience of incorporating these into the application design
- Experience with public cloud platforms, such as AWS and Azure, including SaaS and PaaS offerings
- Good communication skills, with the ability to communicate technical design simply and clearly in conversation, documentation, and internal presentations with both technical and non-technical audiences.
- Active participation in knowledge sharing activities, both within the team and at a wider capability level and externally where appropriate
- Experience of mentoring and coaching team members
- Experience with the latest Continuous Integration and Continuous Delivery techniques
- Experience of debugging and troubleshooting live applications
- Ability to manage and prioritise your time

Who we are:

The vision of SRL is to create digital solutions that have a lasting positive impact on people's lives especially those members of society who are frail or vulnerable. This ethos is present in everything we do. We expect our team members to demonstrate our ethos in their behaviours in how they overcome obstacles; by honestly and respectfully dealing with others; and inclusively sharing information, knowledge, and experience with other team members.