

## Document Information

Team	Server Team
Position	Software Developer
Contact Person	Robin Jones (robin.jones@simulity.com)

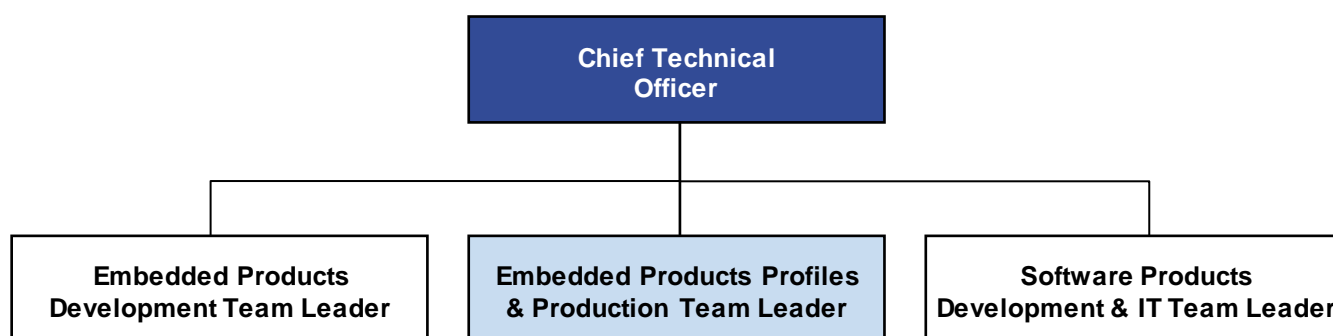
## Role

The role of the Server Tools Developer includes the following tasks.

- **Develop software products** used to maintain millions of SIM/USIM cards deployed on the network.
- **Deploy and maintain** current deployed servers.
- **Maintain current code base** including hundreds of thousands of lines of code.
- **Customer support** ranging from online to worldwide travel possibilities.
- **Work closely with other teams** to ensure that tools co-exist efficiently.

## Reporting

Our technical department is structured in three technical teams as described in the below chart.



The Software Tools Developer reports to the **Software Products Development Team Leader**.

## Location

The Software Developer position is open in our Welsh office located at the following address: **Unit 8, Ash Court, Parc Menai, Bangor, Gwynedd, LL57 4DF, Wales, UK.**

However candidates must be aware that they may be required to travel from time to time to our customer's locations anywhere in the world for short-term on-site missions (between a few days to a couple of weeks).

## Responsibilities

The below table summarises the main responsibilities that the candidates for the Software Developer position have to meet.

Responsibility	Description
<b>Develop software products</b>	<ul style="list-style-type: none"><li>Plan, create, maintain, and deliver server applications and services which will be used for the maintain millions of SIM cards worldwide.</li><li>Use test-driven development in order to create well written, clean, and maintainable code.</li><li>Produce documentation such as user manuals and change documents.</li><li>Develop server applications and services in multiple coding languages.</li><li>Opportunities to become the product owner of tools.</li><li>Opportunities to take charge of your own development and work schedule including creating, maintaining, and reviewing sprints.</li></ul>
<b>Maintain current code base</b>	<ul style="list-style-type: none"><li>Implement newly requested functionality.</li><li>Fix existing bugs.</li><li>Update existing tests to maintain full code coverage.</li><li>Maintain current deployed server.</li></ul>
<b>Customer support</b>	<ul style="list-style-type: none"><li>Support for technical customer queries.</li><li>Interact with clients from all over the world.</li><li>Opportunities to travel worldwide.</li></ul>
<b>Work closely with other teams</b>	<ul style="list-style-type: none"><li>Daily interactions with our other teams.</li><li>Opportunities to learn from employee's with over 30 years of experience in the smart card industry.</li><li>Work with teams from Belfast, South Africa, Singapore, Dublin and France.</li><li>Opportunities to work in other offices.</li></ul>

## Requirements

The below table provides the list of requirements that the candidates for the Software Developer position have to meet.

Requirement	Description
<b>Education</b>	<ul style="list-style-type: none"><li>BSc. / MSc. in Computer Science, Software Engineering or Telecommunications</li></ul>
<b>Skills</b>	<ul style="list-style-type: none"><li><u>Mandatory requirements</u><ul style="list-style-type: none"><li>Strong knowledge of <b>Java</b> ( Object Oriented Programming <b>OO</b>),</li><li>Strong knowledge of <b>Data Structures</b> and <b>Algorithms</b>,</li><li>Good knowledge of <b>Javascript</b>, <b>XML</b>, <b>JSON</b>, <b>HTML</b>, <b>CSS</b>,</li><li>Good knowledge of relational database (eg <b>MySQL</b>),</li><li>Good knowledge of version control systems (eg <b>GitHub</b>, <b>SVM</b>),</li><li>Good understanding of the <b>Agile</b> Software Development,</li><li>Some knowledge of application servers (<b>Apache Tomcat</b>),</li><li>Familiar with some Java IDEs (<b>Intelij</b>, <b>NetBeans</b>, <b>Eclipse</b>),</li><li>Some knowledge of Test Driven Development <b>TDD</b>.</li></ul></li><li><u>Optional requirements</u><ul style="list-style-type: none"><li>Strong knowledge of <b>Groovy</b>, <b>Grails</b>, <b>NodeJS</b>,</li><li>Familiarity with common web frameworks (<b>Bootstrap</b>, <b>jQuery</b>, etc.)</li><li>Experience with modern tools and processes, e.g. <b>Jenkins</b>, <b>Maven</b></li><li>Experience with smart card or embedded systems technologies</li><li>Notions in security and cryptography</li></ul></li></ul>

	<ul style="list-style-type: none"> <li>▫ Notions in low-level chip programming and electronic engineering</li> <li>▫ Proficiency developing in <b>Windows, Linux</b>, and <b>OS X</b> environments.</li> </ul>
<b>Experience</b>	<ul style="list-style-type: none"> <li>▪ Preferably 2+ years of experience in software development</li> </ul>
<b>Abilities</b>	<ul style="list-style-type: none"> <li>▪ Customer-oriented</li> <li>▪ Tenacious with a problem-solving approach</li> <li>▪ Organised, rigorous and autonomous with an eye for details</li> <li>▪ Ability to evolve in a small and multi-disciplinary team</li> </ul>