

## Document Information

|                       |   |
|-----------------------|---|
| <b>Team</b>           | IT Team / Server Team   |
| <b>Position</b>       | Hybrid IT Admin / Software Developer  |
| <b>Contact Person</b> | Alan McKee <a href="mailto:alan.mckee@simulity.com">alan.mckee@simulity.com</a> |

## Role

The role of the IT Administrator includes the following tasks.

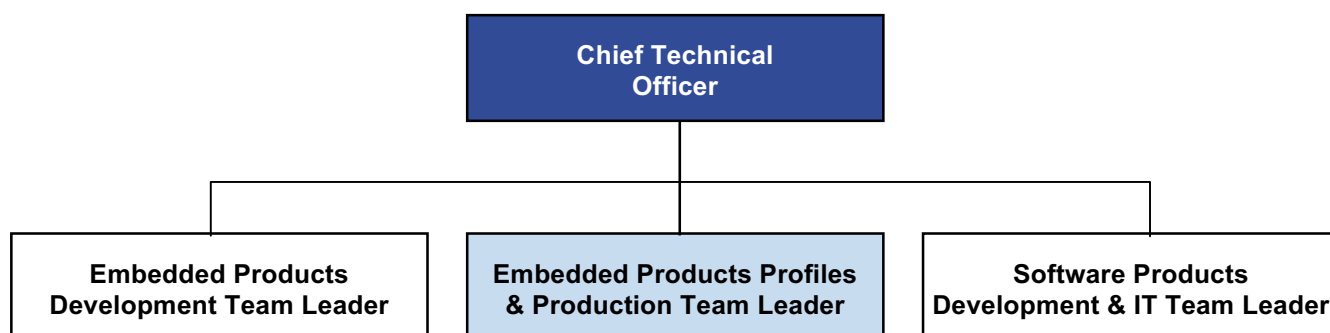
- **Develop intranet services** to seamlessly join external services together for a richer working environment.
- **Deploy and maintain** VPS's and VPN's on a per customer basis.
- **Manage and support** internal and extranet IT services such as E-Mails, DMS.
- **Maintain and enhance** the internal IT infrastructure.

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.
- **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 successful candidate reports to the **IT Team Leaders & Software Products Development**.

## 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 deploy: <ul style="list-style-type: none"> <li>server applications and services which will be used to maintain millions of SIM cards worldwide</li> <li>an intranet to bind together existing services into a nice portal</li> <li>new services such as Time Management, business management tools, and Annual Leave management</li> </ul> </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> <li>Work with other teams to develop a well rounded on brand extranet system, with access to resource on a per client basis</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>   |
| <b>Deploy and maintain VPS's and VPN's</b>     | <ul style="list-style-type: none"> <li>Setup and configure new VPS for customers</li> <li>Ensure VPS's are setup with correct auditing and security measures in place</li> <li>Deploy a variety of VPN solutions &amp; other software as required on VPS's as per clients requirements</li> <li>Gather appropriate information from clients regarding set-up details</li> <li>Produce reports detailing current VPS's deployed and the services installed on those</li> </ul>   |
| <b>Manage and support internal IT services</b> | <ul style="list-style-type: none"> <li>Maintain existing solutions such as Microsoft Exchange, FreshDesk and Atlassian</li> <li>Develop and Maintain Azure Active Directory rules</li> <li>Implement and Maintain SharePoint to the required specifications</li> <li>Research additional services which can fill key gaps in the IT system</li> </ul>   |
| <b>Maintain and enhance IT and Networking</b>  | <ul style="list-style-type: none"> <li>Enforce IT security across a range of Linux based servers</li> <li>Regular Auditing of Linux servers</li> <li>Develop and implement a data backup policy with co-location</li> <li>Configure and deploy new hardware and offices as and when required</li> <li>Audit IT hardware on a yearly basis</li> <li>Analyse areas where costs can be reduced</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 relational database (eg <b>MySQL</b>)</li> <li>Good knowledge of <b>Active Directory</b></li> <li>Good knowledge of <b>Networking and IT Infrastructure</b></li> <li>Good working knowledge of <b>Linux Servers</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>Some knowledge of Test Driven Development <b>TDD</b></li> <li>Some knowledge of <b>VPS's</b></li> <li>Experience with some Java IDEs (<b>Intelij, NetBeans, Eclipse</b>)</li> </ul> </li> <li><u>Optional requirements</u> <ul style="list-style-type: none"> <li>Strong knowledge of <b>Groovy, Grails, NodeJS</b></li> <li>Strong knowledge of <b>VPNs</b></li> <li>Good knowledge of <b>Javascript, XML, JSON, HTML, CSS</b></li> <li>Good knowledge of version control systems (eg <b>GitHub, SVN</b>)</li> <li>Experience with common web frameworks (<b>Bootstrap, jQuery</b>, etc.)</li> <li>Experience with modern tools and processes, e.g. <b>Bamboo, Jenkins, Maven</b></li> <li>Experience with smart card or embedded systems technologies</li> <li>Experience with Atlassian software</li> <li>Experience with FreshDesk or similar customer support portal</li> <li>Notions in security and cryptography</li> <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> </li> </ul> |
| <b>Experience</b> | <ul style="list-style-type: none"> <li>One or more of the following:           <ul style="list-style-type: none"> <li>Preferably 2+ years of experience in software development</li> <li>Preferably 2+ years of experience in IT Administration</li> </ul> </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> <li>Strong written and verbal communication</li> </ul>   |