Document Information

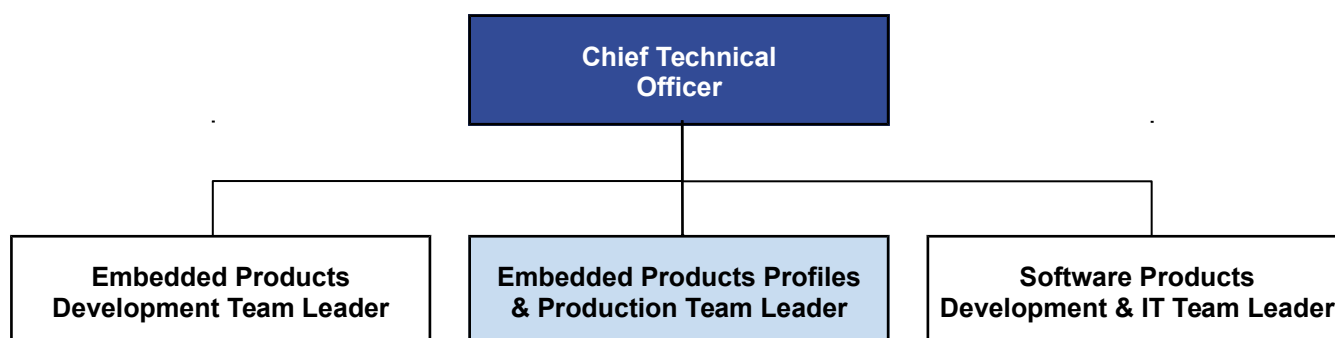| Team	Software Tools
Position	Software Developer
Contact Person	Steven Heighway (steven.heighway@simulity.com)

Role

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

- **Develop software products** used to produce and maintain millions of SIM/USIM cards.
- **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 in structured in three technical teams as described in the below chart.

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                    ┌──────────────────────┐
                    │   Chief Technical     │
                    │      Officer          │
                    └──────────────────────┘
        ┌───────────────────┼───────────────────┐
┌───────────────┐  ┌──────────────────────┐  ┌──────────────────┐
│  Embedded     │  │ Embedded Products    │  │ Software Products│
│  Products     │  │ Profiles &           │  │ Development & IT │
│  Development  │  │ Production Team       │  │ Team Leader      │
│  Team Leader  │  │ Leader               │  │                  │
└───────────────┘  └──────────────────────┘  └──────────────────┘
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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 Industrial Year Intern will have to tackle.

Responsibility	Description
Develop software products	- Plan, create, maintain, and deliver tools and services which will be used for the production of millions of SIM cards worldwide. - Use test-driven development in order to create well written, clean, and maintainable code.

	- Produce documentation such as user manuals and change documents. - Develop tools and services in multiple coding languages. - Opportunities to become the product owner of tools. - Opportunities to take charge of your own development and work schedule including creating, maintaining, and reviewing sprints.
Maintain current code base	- Over 8 existing tools to maintain adding up to hundreds of thousands of lines of code. - Fix existing bugs. - Implement newly requested functionality.
Customer support	- Support for technical customer queries. - Interact with clients from all over the world. - Opportunities to travel worldwide.
Work closely with other teams	- Daily interactions with our other teams. - Opportunities to learn from employee's with over 30 years of experience in the smart card industry. - Work with teams from Belfast, South Africa, Singapore, Dublin and France. - Opportunities to work in other offices.

Requirements

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

Requirement	Description
Education	BSc. / MSc. in Computer Science, Software Engineering or Telecommunications
Skills	- Mandatory requirements - Strong knowledge of software development in Java - Good knowledge of version control systems (GitHub, Mercurial, SVN or any other). - Good understanding of the various software development cycle steps (specification, development, test, release, maintenance) - Familiar with some Java IDEs (NetBeans, Eclipse or any other) - Optional requirements - Experience with smart card or embedded systems technologies - Notions in security and cryptography - Notions in low-level chip programming and electronic engineering - Familiar with all major OS' – Windows, Linux, and OS X - Familiar with scripting languages (Python, JavaScript or any other)
Experience	Preferably 2+ years of experience in software development
Abilities	- Customer-oriented - Tenacious with a problem-solving approach - Organised, rigorous and autonomous with an eye for details - Ability to evolve in a small and multi-disciplinary team