

# JOB PROFILE

Job Specification		Person Specification	
<b>Job Title</b> DevOps Electronics Engineer	<b>Department</b> Safe Storage	<b>Main location / base</b>  Bari	<b>Is travel a requirement of the role?</b> Occasional Travel
<b>Responsible for:</b> Electronics and Firmware Development	<b>Reporting to</b> DevOps Innovation Manager	<b>Responsible for budgets</b> No	<i>This job profile is a working document and as such is subject to revisions in line with operational &amp; individual developments</i>
<b>Overall Job Purpose</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Developing and implementing electronics, firmware and software for embedded devices and systems.</li> <li><input type="checkbox"/> Creating custom Linux-based systems regardless of the hardware architecture.</li> <li><input type="checkbox"/> Analysing and monitoring the efficiency and stability of the system.</li> <li><input type="checkbox"/> Auditing electronic design</li> </ul>	<b>Key Responsibilities</b> <p><u>Development</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Develop and implement electronics and firmware of embedded devices and systems</li> <li><input type="checkbox"/> Support software QA and optimize I/O performance</li> <li><input type="checkbox"/> Provide post production support when necessary</li> <li><input type="checkbox"/> Develop, code, test and troubleshoot the system software</li> <li><input type="checkbox"/> Analyze, monitor and improve efficiency, stability of the system</li> <li><input type="checkbox"/> Interface with hardware design and development</li> </ul> <p><u>Operations</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Support operations and infrastructure to ensure profitability and meet contracted Service Level Agreements.</li> <li><input type="checkbox"/> Best practice research and benchmarking.</li> </ul>	<b>Person Specification</b> <p><u>Essential</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Excellent skills on electronics, integrated circuits and embedded systems</li> <li><input type="checkbox"/> Excellent skills on electronics design in Altium</li> <li><input type="checkbox"/> Fundamental knowledge of Python and C/C++</li> <li><input type="checkbox"/> Fundamental knowledge of Linux and Yocto</li> <li><input type="checkbox"/> Fundamental knowledge of SoC like ESP32, Nordic Semiconductor</li> <li><input type="checkbox"/> Fundamental knowledge of CI/CD, Git, Azure Devops</li> <li><input type="checkbox"/> Fundamental skills on Cloud Software Architecture.</li> <li><input type="checkbox"/> Experience with OTA software update using Mender.</li> <li><input type="checkbox"/> Experience with Artificial Intelligence and Machine Learning</li> </ul>	<b>Core Competencies</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> 2 years' experience working with EN/UL/PCI security certified security products.</li> <li><input type="checkbox"/> Deep technical knowledge about hardware, software, operating systems and cloud technology</li> <li><input type="checkbox"/> Self driven and thereby also actively seeks and execute continuous process improvement</li> <li><input type="checkbox"/> Team player with ability to manage stakeholders</li> </ul>
<b>Training</b> <p>Possible Training Requirements:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Linux and Yocto</li> <li><input type="checkbox"/> Embedded Software (C/C++, ESP-IDF) and Hardware (ESP32, Raspberry)</li> <li><input type="checkbox"/> Altium</li> </ul>		<b>Succession Planning</b> <p>(In which roles is a suitable candidate likely to be working now?)</p> <p>(Future roles)</p>	