

| POSITION TITLE                   |            |            |          |
|----------------------------------|------------|------------|----------|
| Stage Embedded Software Engineer |            |            |          |
| POSITION OWNER                   | REPORTS TO | DEPARTMENT | LOCATION |
|                                  |            |            | Pisa     |

| COMPANY DESCRIPTION   |
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| <p>AngelStar is an international engineering company specialized in the design, development and supply of ERTMS onboard signaling and control solutions for the world's railways. AngelStar is a joint venture between the two leading railway companies, MERMEC (<a href="http://www.mermecgroup.com">www.mermecgroup.com</a>) and STADLER (<a href="http://www.stadlerrail.com">www.stadlerrail.com</a>), which bring to the partnership complementary strengths, shared long-term visions, consistent business principles and a strong commitment to customer-driven innovation. The cooperation between the two joint-venture partners is opening up new market opportunities and local knowledge while offering to AngelStar's customers world-leading technologies and proven experience in delivering large-scale projects</p> |
| POSITION MISSION  |
| <p>Embedded Software Engineer</p>   |

| MAIN RESPONSIBILITIES AND ACTIVITIES  |
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| <p>Firmware/Software design.<br/>           Functional verification and validation of the code developed.<br/>           System and integration tests support.<br/>           Preparation of technical project documentation.</p>   |
| QUALIFICATIONS/KNOWLEDGE/EXPERIENCE REQUIRED/TECHNICAL SKILLS   |
| <p>Degree in Computer Engineering, Electronics or equivalent.<br/>           Minimum experience in FW embedded design.<br/>           Knowledge in software development on PC (Windows and Linux).<br/>           Basic experience in creating applications on Host in C++.<br/>           Knowledge of the main interfaces of the microprocessor (UART, I2C, SPI).<br/>           Knowledge of the main communication protocols (TCP/IP, UDP, HTTP, FTP).<br/>           Knowledge of the software lifecycle.<br/>           Knowledge of configuration management tools.<br/>           Knowledge of issue tracking tools.<br/>           Knowledge of the safety critical software lifecycle in railways applications (CENELEC EN 50128).<br/>           Knowledge of the main FW/SW validation techniques and tests.<br/>           Problem solving skills.<br/>           Ability to work under pressure.<br/>           Good knowledge of written and spoken English.</p> |