

JOB DESCRIPTION

Job Title: Software Design Engineer

Purpose of Job: At PPM we take great pride in supporting our customers with their application requirements; striving to truly understand their problem space so we can ensure our products provide the solution that they are looking for. Our Software Design Engineers play a core role in ensuring our products deliver the capability required to achieve this goal. We have an exciting opportunity for an experienced engineer with a passion for full stack software solutions, to join our growing business. If you'd like to be a part of delighting customers with our next generation of high performance products, then please get in contact with us.

Location: Shrivenham, Wiltshire

Reporting to: Development Team Lead

RESPONSIBILITIES:

PPM designs, manufactures and sells a broad range of telecommunications infrastructure equipment and related radio systems into commercial, government and defence applications. We have built a strong reputation for not only providing leading products, but also for supporting our customers through our consultative business engagement style.

As a Software Design Engineer at PPM you will be a part of a multi-disciplined engineering team who continually strive to enhance and expand our product portfolio. You will be involved in developing code for a wide range of applications, from back-end data access applications through to front-end user services. Your day-to-day activities will be exciting and varied, including:

- Assist system architects with requirements analysis and project definition
- Develop embedded code for radio system applications and build networked sensor systems
- Expand our web based simulation environments and remote user interface software
- Conduct software-hardware integration testing and contributing to the team's DevOps best practice

SKILLS/EXPERIENCE:

We would be keen for you to have experience with:

- Object oriented and high-level programming languages such as C++, Python
- Control and versioning of software libraries in Git
- Linux development including bash and shell scripting
- AWS or Proxmox Virtual Environment deployment and administration
- TCP/IP networking; including DNS routing, VPN, and firewall configuration
- Continuous integration & delivery (CI/CD) tools such as Jenkins and Gitlab
- Configuration and manipulation of data within SQL databases
- JavaScript and HTML web development languages and tools
- Embedded Linux build systems equivalent to the Yocto Project
- OS level containerisation tools such as Docker
- Agile development methodologies and task management tools like Jira

QUALIFICATIONS:

Ideally a higher education degree or relevant experience.

For our Privacy Notice for Job Applicants please see our website

PERSONALITY/CHARACTER:

- Demonstrate excellent interpersonal and team communication skills
- Have high ethical standards
- Take personal accountability
- Have a proactive and innovative approach to developing technical solutions to complex customer problems
- Have a passion for developing high quality software solutions.

REQUIRED BEHAVIOURS:

- **Creativity and innovation** – Possessing a passion for driving continuous improvement by spotting opportunities and seeking the views of others
- **Keeping Commitments** – You demonstrate a can-do attitude and drive to complete tasks and projects and report that they are completed, even when other opportunities arise that appear to be more interesting
- **Collaboration and Communication** – ability to develop relationships with colleagues outside your department built on mutual trust, respect, and a drive for sharing and success
- **Impact and influence** – You listen to different perspectives, evaluate, persuade, and carefully shape your work to deliver excellent results
- **Teaching and Sharing** – You share what you know with others and seek to learn from the vast pool of knowledge of others at PPM
- **Company Focus** – Put the needs of the company before your team needs, and drive to achieve the goals of the company as well as those of your own team

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