

- Role :** Senior Embedded Software Engineer
- Salary :** £39-45,000 pa dependent on experience
- Start Date :** Immediate
- Term :** Permanent
- Description :** Craft Prospect is seeking a senior embedded software engineer with experience of developing for low power embedded systems, including FPGAs, systems-on-chips and embedded Linux. You will work as part of a dynamic engineering team to develop low power, secure embedded systems for satellite missions, targeting applications including on-board AI, quantum key delivery, Earth observation and optical communications.
- The company seeks to develop a diverse and inclusive team, and encourages applications from all backgrounds. In recognition that different groups may respond to job specifications differently and that our developing talent pool can come from all quarters, we seek to minimise the number of prerequisites in any role and rather recruit for attitude, and ability to positively contribute to our small but growing team and our work.*
- Responsibilities :**
- Development of complex FPGA designs and RTL hardware code (VHDL or Verilog)
 - Oversee or perform functional testing of satellite embedded systems.
 - Support design of advanced processing systems for space applications
 - Creating, designing, and deploying embedded Linux/RTOS solutions to onboard systems
 - Customer and industry engagement, including conference presentations.
 - Supporting mission critical design for challenging environments in space
 - Taking ownership of C/C++ embedded software development and deployments for various payload systems
 - Contributing to company quality processes, particularly around embedded design
- Requirements :**
- Proven ability to code C/C++/Python to industry standards
 - Understanding of FPGA and GPU based computer systems
 - Familiarity with Xilinx SoC and MPSoC tool chains for embedded systems
 - Experience with embedded Linux
 - Strong communication skills
 - Good team player with excellent customer interfacing skills
- Preferred :**
- Understanding of software development practices for critical systems
 - Understanding of space software development standards
 - Experience of hands-on small satellite development
 - Developing leadership skills, taking responsibility for delivery

Ability and initiative to work autonomously

Desire to work in SME environment and positively contribute to culture

Line Manager : Ahren McTaggart

About Us : Craft Prospect is a young engineer-led company in its eighth year having consistently doubled turnover and headcount in early years, picking up a number of awards and recognitions along the way, before securing and leading on a multi-year €19Mn VOLT mission with the European Space Agency. We work on projects for commercial customers and space agencies, as well as cutting edge R&D. We want to develop our employees to become stakeholders within the organisation, able to work within a team leading projects and developing future space mission concepts to make a positive impact. Our diverse team includes former leads of national space missions, experienced industry professionals, and specialist experts in niche domains. You will be given the opportunity to support the ongoing development of the company, while we work with you to support your career aspirations. See more at: www.craftprospect.com.

Grade : Senior Associate
(5-8 years industrial experience anticipated)

Benefits : 4 day week option at 80% FTE (Tu-Fr minimum)*, up to 16% pension (matched salary sacrifice), wellbeing and personal development budget, team training and away days, stake in employee ownership sharepool (holding 20% of business) and opportunity to earn your own shares via a Share Incentive Plan

* subject to legal requirements related to right to work

Location : Glasgow, UK

Applicants : Applicants should email a cover letter and CV to recruitment@craftprospect.com, using reference 24-01071

Closing Date : 30th September 2024 or when suitable candidate is found