

Job Title: Senior Hardware Engineer

Job Description

Global Security Devices (GSD) based in Dublin designs and manufactures both wired and wireless security products for the Irish and European markets; GSD has an opportunity for a Senior Hardware Engineer based at the company's head office in Ballymount, Dublin 22.

The successful candidate will work as part of a small multidisciplinary R&D team and will be responsible for hardware design and development. The role involves both analogue and digital design and development. Analogue circuit design is primarily low power and low frequency, but with some RF design (2.4 GHz). Current designs include analogue and switched mode PSUs, sensors, low frequency communications, interfacing and RF communications (2.4 GHz). Digital design is at frequencies less than 300MHz. Current designs use embedded 8, 16 and 32 bit microcontrollers, various external memory technologies, OLED displays, Ethernet, USB and Zigbee.

The successful candidate will have strong analytical ability and will be responsible to take complete projects through design, verification and handover to manufacturing, including

- Schematic design, PCB layout, circuit prototype, design for manufacture, design for test, verification and documentation.
- Compiling bills of Materials and production of subcontract manufacturing packs and test plans.
- Collaboration with other hardware and software engineers.
- Creative input in product/hardware design and user functionality.
- Comprehensive test, debug and support.

Product quality and reliability are paramount and good development practices are essential along with design verification and stress testing.

Technical Requirements

- Degree in Electronic Engineering or equivalent
- 8 years' experience in analogue and digital hardware development, preferably from medium to large electronics companies.
- Has taken responsibility for the complete development cycle from design requirements through to documented release.
- Experience in digital design involving various microprocessors and microcontrollers plus several of the following areas: keypads, displays, chip interfacing, ultra-low power, non-volatile storage.
- Experience in analogue design in several of the following areas: sensors, analogue and switched mode PSUs, low speed communications, RF communications, analogue interfacing, ultra-low power, audio.
- The candidate should have strong interpersonal skills and be self-motivated.
- An appreciation of software design and C or assembler programming is desirable.

- Experience in DxDesigner schematic capture and PADS PCB layout is desirable.
- Experience in development of hardware for Zigbee, Ethernet, RS232, RS485, USB is an advantage.

GSD is an equal opportunity employer.

Please forward you're CV by email to: hr@globalsecurity.ie with the job title as the subject.