Principal Digital Electronics Engineer

Job ref: 1136

We are looking for a lead hardware design engineer who wants to use their FPGA/ASIC and electronics design skills to develop breakthrough technology and world-class products. As a principal electronics engineer you will create the hardware system architecture for products as well as provide leadership to more junior engineers. We also offer a huge variety of exciting client projects, where you will get to see your ideas go from the whiteboard to manufacturing production.

Full Details

You will work as part of a multi-disciplinary team to design wireless systems and products for our clients. You will be responsible for all stages of the design: from initial discussions with the client, developing a system-architecture, through to detailed-design, debug and transfer to manufacture.

Type of Work

Cambridge Consultants is a world leader in wireless communications, with one of the largest independent wireless development teams in the world. Our work ranges from high volume consumer applications such as portable internet devices, through to professional high-performance systems including the air traffic control radios used to govern the US airspace. The markets that we address include telecommunications, healthcare, industrial, satellite, consumer and automotive. This breadth of activity provides a tremendous variety of work for our team members.

The Digital Systems Group works closely with other disciplines to create cutting-edge wireless products. At the lead hardware engineer on a project you will enjoy lots of responsibility. You will also work with and learn from a team of highly-skilled software, DSP and RF engineers. Recent examples of our product development work for clients include a pocket-sized mobile-phone basestation, the world’s smallest satellite modem and our breakthrough Pizzicato digital radio transmitter and receiver technology.

Responsibilities

In this role you will be responsible for:

- Creating design ideas that meet the client's needs
- Technical leadership for the hardware architecture and design of products
- Board-level electronics design
- FPGA and ASIC design through Verilog or VHDL
- Debugging your design in the lab and transferring it to manufacture

As your experience grows, you will have the opportunity to take on further responsibilities and develop your career.

Requirements

To meet the requirements of this role you will have:

- An excellent first degree or PhD in Electrical Engineering or related discipline
- Experience designing electronic circuits
- Experience of Verilog or VHDL coding for FPGA or ASIC
- Good communication skills
- An enthusiasm for designing things and making them work
In addition, experience in any of the following areas would be advantageous:

- PCB design
- Digital Signal Processing
- Radio system design
- Microprocessor board design and programming

Benefits

- Good salary, based on merit and reviewed annually
- Company profit share scheme in addition to basic salary
- Pension scheme
- Life assurance plan
- Private medical insurance
- Travel insurance
- Disability insurance plan
- Free canteen - lunches and refreshments
- 25 days annual holiday plus public holidays
- Relocation assistance if applicable
- Excellent career development and training opportunities
- Flexible working hours
- Social committee

FUTURE PROSPECTS

Cambridge Consultants is committed to developing its employees' careers and has a flexible policy for individual capabilities and preferences. Promotion is linked to merit.

Location

United Kingdom