



Job Description: Systems Test Engineer (Systems Engineering)

CML Vision – The first-choice semiconductor partner to technology innovators, together transforming how the world communicates.

CML Values – Trust, Respect, Commitment and Creativity.

CML Guiding Principles – Strong business ethics; culture of quality with a sense of urgency; live and breathe the customer experience; a passion for excellence; inspire our people to innovate.

Position Summary

A hands-on role for a self-motivated engineer with a proven ability to design software / hardware to perform evaluation and provide application support of CML products. An ability to quickly assimilate new concepts and architectures is essential.

Systems Test Engineers are key players in our multi-site engineering team: liaising and working closely with all members of the design and application engineering teams.

The right candidate will need to use a methodical approach when evaluating and testing new designs. Part of the role is to prepare technical reports and therefore good presentation skills are essential with good attention to detail, always aiming to deliver working solutions in a timely manner.

Reports to

Systems Engineering Manager.

Essential Functions / Key Focus Areas

- Preparation / design of evaluation and test software / hardware
- Perform evaluation of CML products and provide comprehensive evaluation reports.
- Design, construct and provide supporting documentation of product evaluation kits, which demonstrate the key features of CML products to customers.
- Provision of technical support to our application engineering team and customers
- Development of automated production test facilities for CML products and technical support to our production test department

Qualifications and Experience

- A relevant Electronic Engineering degree or similar would be preferable.
- 2 – 3 years' experience of software and electronics circuit design, including practical experience gained within the radio or telecommunications industry
- A working knowledge of wireless digital communication systems and modulation schemes
- Programming in any of 'C', Python or Assembly languages
- Component level electronic circuit design
- Use of laboratory equipment such as signal analysers, generators, oscilloscopes etc
- Use of MS office applications to generate reports and documentation.

Any of the following would be advantageous: -

- Use of any DSP family
- Xilinx FPGA familiarity
- Schematic capture / PCB Layout, Altium experience desirable.
- Familiarity with NI LabView and PXI modular instrumentation.
- Familiarity with analogue to digital and digital to analogue converters.

This job description is not exhaustive and is subject to change from time to time to meet the needs of the business



- An understanding of RF circuitry, measurement equipment and design principles.
- Microsoft Windows™ tools to create GUI-based applications software (MS visual studio).
- Familiarity with common radio testing standards (ETSI, FCC etc).
- Due to rural location, own transport is essential.

Critical Competencies for Success

Excellent Communication Skills – Maintains an open flow of two-way communication, exhibiting strong verbal, written and presentation skills, stating expectations clearly and being visible to all stakeholders. Exhibits executive presence in front of both internal and external audiences. Being a good listener is a critical success factor.

Impeccable Integrity – Embodies and practices unquestioned personal and business integrity. Creates an environment of trust and respect by acting with fairness and consistency, keeping commitments, and providing rationale for decisions.

Team Player with Maturity – A results-oriented individual who, at the same time, is the consummate team player who can effectively negotiate with others to achieve win-win outcomes. They will be well respected by senior management, peers, and subordinates, and will be secure in their technical and managerial abilities.

Open Minded – A resilient and committed executive with a passion for excellence; a flexible and open operating style; non-political and non-bureaucratic; someone with a natural and effective consultative approach who will gain the trust and respect of individuals at all levels.

Customer Focused – Live and breathe the customer experience by encouraging a culture dedicated to enhancing customer satisfaction and building strong customer relationships.

Location

The position is based at our headquarters in Langford, near Maldon, Essex, and offers excellent working conditions on a 29-acre parkland site.

Salary and Benefits:

A competitive salary is offered, depending upon skills and experience.

Additional benefits include:

- Holidays – 25 days plus bank holidays per year
- Pension scheme
- Healthcare scheme
- Hybrid working
- Death in service (4 times salary)
- On-site parking
- VISA sponsorship (if applicable)
- Relocation package (if applicable)

Application

In the first instance, please forward your CV to Mrs Jo Gibbins at jgibbins@cmlmicro.com or call 01749 881137.

Further information about CML Microcircuits can be found on our website at www.cmlmicro.com

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