

## Job Detail

Senior Level

Position Title	The international company leading provider of microcontroller and IP solution
Recruiter Company	Cornerstone Recruitment Japan K.K.
Company Name	Company name is private
Activated / Updated	2024-03-06 / 2024-03-07
Job Type	Electronics (Appliance/Semiconductor) - Production Engineering Electronics (Appliance/Semiconductor) - Other
Industry	
Location	Asia Japan Tokyo
Job Description	<b>【JOB RESPONSIBILITIES】</b> <ul style="list-style-type: none"> <li>• Be an authority in ethernet networking, able to advise and implement ideas to the clients</li> <li>• Proactively develop additional technical skills and knowledge</li> <li>• Utilize engineering design skills, techniques and knowledge to decrease client development time and reduce the system cost</li> <li>• Provide hardware, firmware, and middleware and develop tool support for the clients</li> <li>• Identify the key client stakeholders and coach the stakeholders to build a consensus solution</li> <li>• Work close with the global team and develop sales strategies across clients' divisions</li> </ul>
Company Info	<b>【COMPANY OVERVIEW】</b> The international company leading provider of microcontroller and IP solution which offers outstanding technical support
Qualifications	<b>【REQUIREMENTS】</b> <ul style="list-style-type: none"> <li>• Electronic Design – Creative design capability, architectural organization of hardware, firmware and software to meet system specifications, schematic/simulation/layout, Test and debug skills (using oscilloscope, logic analyzer, multimeter, etc)</li> <li>• Basic protocols - I2C, SPI, UART</li> <li>• Advanced protocols – Ethernet (Preferable TCP/IP (OSI Layer), CAN, LIN, AVB/TSN)</li> <li>• An experience of Ethernet system architecture (especially software implementation on Linux/Android/Windows_CE) is preferable</li> <li>• Knowledge of embedded and/or hardware security (e.g. familiarity with TPMs, secure boot, ARM TrustZone, etc.)</li> <li>• An understanding of common cryptographic algorithms (e.g. AES, 3DES, RSA, ECC, etc.) is preferable</li> <li>• Microcontroller fundamentals – Algorithm development using C, C++, architecture, interrupt processing, registers, assembly code</li> <li>• Microcontroller fundamentals - ADC, DAC, Timers, PWM, DMA, watchdog</li> <li>• An experience of working with Industry and Medical Networking Suppliers</li> <li>• An experience of working with Automotive OEMS and/or Tier Suppliers is preferable.</li> <li>• Has Bachelor's degree in an engineering discipline</li> <li>• Basic English skill</li> <li>• Capability to understand semiconductors' datasheets and soldering</li> </ul>
English Level	Business Conversation Level (TOEIC 735-860)
Japanese Level	Native Level
Salary	Depends on experience