



Job Description & Competencies

Employee Name	
Position Description	Junior Embedded Software Engineer
Operational Area	Engineering

Key Responsibilities

- Developing embedded software for next generation smart energy products for Electric Vehicles and Home Integration as well as Electric Vehicle conversions
- Become technical expert on all Indra products
- Main point of customer contact for small to medium projects
- Tailor current software solutions to customer's needs
- First contact from support team to enable development of expertise
- Strong teamwork and communication skills – collaboration is part of the software process at Indra.

Key Competencies

General Competency Band | 2

Role Specific Competencies

Qualifications

- HND or Degree-qualified with 3-5 years related experience preferably within consumer product development.

Essential Skills

- C++ (11)
- Embedded Real Time Systems (RTOS and bare metal systems)
- Git \ GitHub

Desirable Skills

- Networking (IoT \ TCP\IP, network certification \ security)
- Python
- Scripting/Bash
- Low level communications protocols (CAN \ I2C \ SPI \ UART etc)
- Wireless communications (GSM \ 3G \ 4G \ Wifi \ Bluetooth etc)
- Power Line Communications
- Linux Desktop



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- Embedded Linux OS \ buildroot \ Yocto \ cmake \ UBoot
- Embedded Development boards (BeagleBone, Raspberry Pi)
- Docker
- Google Cloud Storage
- CI - Jenkins \ CircleCI
- Relevant degree
- Evidence of contribution to relevant open source projects or other demonstrable genuine experience/interest in technology outside