

Senior Embedded Firmware Engineer

Product Development - Embedded Firmware | Full-time | Melbourne - Hybrid

About the role

Own firmware architecture on connected products from bring-up to OTA fleets in the field -- medical, industrial and consumer programs, RTOS and bare-metal, working beside the hardware team that lays out the boards.

Responsibilities

- Architect and implement firmware for new connected products (C/C++, RTOS and bare-metal).
- Lead board bring-up alongside our PCB designers, from first prototypes on our own SMT line.
- Design OTA update, provisioning and telemetry pipelines with the cloud team.
- Set the bar for code review, HIL testing and release discipline within the firmware group.
- Mentor mid-level engineers and interns across concurrent client programs.

What we look for

- 7+ years shipping embedded firmware on physical products.
- Deep C, plus comfort with modern C++ or Rust on constrained targets.
- Hands-on with BLE, cellular IoT (CAT-M1/NB-IoT) or LoRa product stacks.
- Lab fluency: scopes, logic analysers, JTAG/SWD debugging.
- Experience in a regulated domain (medical, military or industrial) valued.

How to apply

Apply through the careers page on www.tektindustries.com with your CV attached, or email careers@tektindustries.com quoting the role title. Include evidence of things you have built - projects, repositories, photographs of hardware or a portfolio.