Firmware Architect

Company: Intel

Location: Petah Tikva

Category: other-general

Job Description

Architects and develops embedded software within environments that have constrained resources such as memory, interrupts, and processing power. Makes architectural decisions with a focus on software structure, interfaces, frameworks, protocols, algorithms, and/or validation direction. Often requires definition of complex software structures, algorithms, and/or design patterns for the purposes of interaction with Operating Systems, kernels, drivers, or other software. Often performs and leads pathfinding activities and explores future technologies.

Qualifications

�Deep understanding of operation system internals both RTOS and Linux, familiarity with RTOS and Linux environments and their limitations�Understanding and experience with major microprocessor families, security models, memory subsystem, peripherals, etc.�The ability to understand the documentation of a wide variety of HW blocks, ranging from cryptographic accelerators to packet parsers. �Ability to negotiate SW/FW requirements to newly developed or modified silicon and boards �Excellent English skills in both speech and writing, enabling work with a significant range of stakeholders. The ability to write coherent, clear, and implementable Requirements �Understanding networking in the datacenter and edge landscape.�At least 5 years proven experience in FW, SW or system architecture�At least 5 years of experience writing FW code in C or in low-level Linux driver

development.�The ability to read, understand and review complicated related FW code written in C.

Inside this Business Group

The Network & Edge Group brings together our network connectivity and edge into a business unit chartered to drive technology end to end product leadership. It's leadership Ethernet, Switch, IPU, Photonics, Network and Edge portfolio is comprised of leadership products critically important to our customers.

Other Locations

IL, Jerusalem

Posting Statement

Benefits

We offer a total compensation package that ranks among the best in the industry. It consists of competitive pay, stock, bonuses, as well as, benefit programs which include health, retirement, and vacation. Find more information about all of our Amazing Benefits
This role will be eligible for our hybrid work model which allows employees to split their time between working on-site at their assigned Intel site and off-site.   **In certain circumstances the work model may change to accommodate business needs.**

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