

Embedded Wi-Fi & Network Development Engineer

Location: Ahmedabad, India

Timing:

- Regular Timings (Monday to Friday, 10 AM to 7 PM)
- Flexibility required for collaboration and release cycles

Department: Product & Engineering

Reports To: Head of Engineering

Company: Ray Secure Innovations Pvt. Ltd.

Website: ray.life

About Ray

Ray is a fast-growing startup in the networking and security domain, offering a full stack of enterprise-grade Wi-Fi, Edge Gateways, SD-WAN, and Next-Gen Firewall solutions. Our hardware and software platforms are built for scale, performance, and security. Backed by strong engineering talent, we are driving next-gen innovation across enterprise and service provider markets globally.

Position Overview

We are seeking a skilled Embedded/**QSDK Developer** with 2–5 years of experience to join our embedded systems team. The ideal candidate will have **hands-on experience with Qualcomm processors**—especially the IPQ series (e.g., IPQ6018, IPQ8072, IPQ806x)—and will be responsible for developing, optimizing, and maintaining firmware and system-level features using QSDK. Experience with **Wi-Fi 7 chipsets** and an interest in building high-performance networking systems is a big plus.

Key Responsibilities

- Develop and maintain embedded applications using **Qualcomm Software Development Kit (QSDK)**
- Work with **IPQ6018, IPQ8072**, and other IPQ series chipsets for Wi-Fi, routing, and security features
- Optimize code for performance, memory usage, and reliability on embedded Linux
- Write and maintain device drivers, system services, and BSP-level components
- Collaborate with hardware engineers for board bring-up and feature integration
- Conduct thorough debugging, profiling, and unit testing using Linux tools
- Participate in Agile development cycles and CI/CD processes

- Stay updated with QSDK releases, Wi-Fi standards (Wi-Fi7) and Qualcomm toolchains
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Required Skills & Qualifications

- **Experience:** 2–5 years in embedded systems and QSDK-based development
 - **Mandatory chipset expertise:**
 - Hands-on with at least one of the following: **IPQ6018, IPQ8072, IPQ8064, IPQ8065, IPQ8068, IPQ6010**
 - **Wi-Fi7 chipset experience** is a major plus
 - **Languages:** Proficient in **C, C++**; working knowledge of **Python** or **Go** is an advantage
 - Strong Linux fundamentals, cross-compilation, and build systems (Make/CMake)
 - Understanding of networking protocols (TCP/IP, VLAN, NAT, VPN, DHCP, etc.)
 - Proficient in using debugging tools: gdb, perf, strace, printk, etc.
 - Experience with version control systems like Git and Agile methodologies
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Preferred Qualifications

- Familiarity with **Wi-Fi stack**, wireless security, or Bluetooth/LTE integration
 - Linux kernel, device driver, or Android HAL experience
 - Understanding of RTOS or real-time performance tuning
 - Exposure to **cloud integration with embedded devices**
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Personal Attributes

- Strong analytical and problem-solving mindset
 - Self-driven, collaborative, and thrives in fast-paced environments
 - Excellent communication and documentation skills
 - Curiosity for hardware-software co-design and protocol-level optimization
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Why Join Ray?

- Work with cutting-edge embedded networking and Wi-Fi technologies
- Be a key contributor to global enterprise solutions from day one
- Enjoy a collaborative team culture and significant learning opportunities
- Competitive compensation and fast career growth in a product-first startup