

**INNOPHASE** is a rapidly growing ultralow-power wireless semiconductor startup with headquarters located in San Diego, CA. We are developing complete wireless solutions with significantly differentiated power dissipation/performance tradeoffs. Our innovative technology also dramatically improves wireless product flexibility and ease-of-use for product developers. We are looking for driven candidates to join our fast-paced and motivated team. This role is an excellent opportunity for someone that enjoys a small and agile group where you can make a great impact.

This is a full-time position based in San Diego. In addition to benefits and perks below, Innophase offers relocation assistance!

### Key Responsibilities

- Design, develop, and integrate embedded firmware drivers for radio front-end, transceiver, and baseband modules
- Implement an extensible hardware abstraction layer to seamlessly support a variety of radio hardware configurations using a common API
- Design and implement test mode interfaces to enable hardware characterization, calibration and tuning procedures to optimize RF performance
- Design and optimize device control transactions to meet strict timing requirements and to enable efficient transmit operation while maintaining RF spectrum emissions requirements
- Individual contribution is the main role, with some technical leadership and mentorship

### Desirable Skills

- Prior ARM or similar System on a Chip (SoC) product development experience
- Good knowledge and understanding of wireless technology standards and protocol stack software
- Experience with the product development lifecycle from inception and design to bring-up, optimization, verification and commercialization
- Experience using Git and Jira tools, and knowledge of modern software development flows e.g. Agile / Lean
- Be able to work productively and independently
- Team player with a strong sense of urgency to meet

### Job Requirements

- 10+ years' experience required
- MS+ EE/CS preferred
- Experience with development of Lower Physical Layer (Layer 1) and/or RF Driver firmware using the C programming language, especially for RF calibration, for at least one wireless technology, preferably 5G NR or LTE
- Experience with RF test equipment measurements for signal quality analysis in at least one wireless technology standard
- Knowledge of RF-related alarms and Key Performance Indicators
- Understanding of maintenance plane protocols e.g. ORAN-MP / ORI / other CPRI SW protocols
- Strong coding skills in embedded C and Python

### Benefits and Perks

- Competitive salary and stock options
- Learning and development opportunities
- Employer paid health benefits
- Paid vacation/holidays/sick/parental leave
- Flexibility to balance quality work and personal lives
- Annual holiday and summer events
- Free snacks and drinks

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