

# ORAN AI System Integrator

## Overview

We are actively seeking a talented and experienced ORAN Developer with a focus on AI integration to join our dynamic team at Coranlabs. The ideal candidate will have a strong background in ORAN Fronthaul Interface Specification along with expertise in integrating AI capabilities into ORAN solutions.

## Experience

5-15 Years

## Responsibilities

- Develop and test ORAN Fronthaul Interface for DU & RU compliant to CU Plane & M Plane specifications.
- Implement innovative AI solutions to enhance the functionality and efficiency of ORAN systems.
- Collaborate with cross-functional teams to integrate AI algorithms seamlessly into the ORAN ecosystem.
- Stay abreast of the latest advancements in AI and ORAN technologies, proposing and implementing improvements.
- Strong knowledge of ORAN Fronthaul Interface Specification.
- Proficient in C programming language with hands-on development experience.
- Experience in developing the PHY layer for LTE/ 5G NR is highly desirable.
- Familiarity with Synchronization across Communication nodes, including PTP schemes.
- Exposure to Scheduling Concepts and Lower MAC functionalities is advantageous.
- Develop algorithms and golden reference models in Matlab/ C (desirable).

## Job Requirements

- Total Experience: 5-15 Years
- Strong expertise in ORAN Fronthaul Interface Specification.
- Development and testing of ORAN Fronthaul Interface for DU & RU compliant to C-Plane, U-Plane, and M-Plane specifications.
- AI integration experience with a focus on ORAN systems.
- Strong development experience with the C programming language.
- Exposure to synchronization across Communication nodes with various schemes, including PTP.
- Familiarity with Scheduling Concepts and Lower MAC functionalities.
- Experience in developing algorithms and golden reference models in Matlab/C (desirable).

## Knowledge And Skill Set

- Protocols: Ethernet, IP, eCPRI, CPRI, RoE, UDP.
- Proficient in the implementation of protocols using C language.

- Programming Languages: C, Matlab.
- Strong understanding of AI concepts and integration methodologies.
- Ability to design and implement AI solutions within the ORAN framework.
- Ability to integrate Base station nodes such as DU and RU with a keen awareness of Interface Protocols and Timing.
- Strong debugging skills with complex systems.