

Department :

R&D

Title of job:

R&D – Embedded Software Developer

Date of hire:

ASAP

Workplace:

Lannion - France

Type of contract:

Full-time permanent position

Job description:

Ekinops is a leading provider of open and fully interoperable Layer 1, 2 and 3 solutions to service providers around the world.

You join the Ekinops360 software team. Ekinops360 platform provides services for high speed and high capacity optical transport (layer 1) for metro, regional, and long-haul applications.

You will play a role in the development of optical transport and networking products, working as part of a multidisciplinary agile team, developing and integrating software for the Ekinops360 DWDM Optical Transport Systems. The purpose is to evolve this system to support the transport of more capacity in Gbps with less power consumption and smaller size, and at the same time with high level of automation, evolving the Ekinops Software-Defined Networking features.

Responsibilities:

- Develop, validate and document Embedded Software for Control and Management / Pluggable Module of the Ekinops360 Packet-Optical Transport System.
- Work on the definition and implementation of Yang models, APIs, database models, IPC and state machines
- Investigate, analyze, correct, and document reported defects
- As part of the multidisciplinary agile team, work with high level of collaboration, autonomy, and ownership, actively participating on sprint plannings, reviews, dailies, and retrospectives, contributing to the constant evolution of the development methodology

Skills of the applicant

Education

Engineer with software background and experience in lower layer

Main knowledge

- C
- Erlang / OTP functional programming knowledge and/or interest to learn
- Embedded Linux (Yocto or Buildroot)
- Basic understanding of telecommunication / optical communications terms and standards
- SNMP, Netconf, ConfD
- Familiar with Repository and Continuous Integration tools (Gitlab (or git), Jenkins)
- Willingness to work in agile environment (Scrum or Kanban)
- Nice to have :
 - Experience with I2C, SPI, USB
 - Development on microcontroller as NXP with Keil real time environment

Experience

- 5 year+ on programming software and/or firmware

Additional abilities

- Good communication skills and to be a team player
- Sense of autonomy and ownership
- Fluent English and comfortable in an international environment
- Self-motivated, with good analytical skills

Contact : hr@ekinops.com