



Department :

R&D

Title of job:

R&D – Embedded Software Developer

Date of hire:

March 2021

Workplace:

Campinas - Brazil

Type of contract:

Permanent - 40 Hours/week

Job description:

Within the Ekinops R&D department, you will play a key 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 Packet-Optical Transport Systems. The purpose is to evolve this systems 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.

You will work with software technologies and such as Erlang/OTP, C, Netconf/REST APIs, no-SQL databases, Yocto, Linux drivers, ASIC SDKs, continuous integration, automation tools, and others, as well as networking technologies such as high speed (400Gbps+) coherent optical systems, OTN/packet switching, FlexE, FlexO, SDN, networking control plane, and others.

Responsibilities:

- Develop, validate and document Embedded Software for Control and Management 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 with the constant evolution of the development methodology

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Skill of the applicant

Education

- BS or MS in Computer Engineering, Computer Science, or similar

Main knowledge

- Erlang / OTP functional programming knowledge and/or interest to learn
- Embedded Linux
- C/C++
- Basic understanding of Telecommunication/optical communications terms and standards
- Familiarity with Repository and Continuous Integration tools (Git, Jenkins, Gerrit)
- Willingness to work in agile environment (Scrum or Kanban)

Experience

- 3 year+ on programming

Additional abilities

- Good communication skills and to be a team player
- Sense of autonomy and ownership
- English read, spoken written
- Self-motivated, with good analytical skills,

Contact : hr@ekinops.com