

Department

R&D

Title of job

R&D – Senior Embedded Software Developer

Date of hire

January 2021

Workplace

Campinas - Brazil

Type of contract

Permanent/ full time

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, designing, 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

- Design, plan, develop, validate and document Embedded Software for Control and Management of the Ekinops360 Packet-Optical Transport System.
- Collaborate on the evolution of embedded software architecture
- 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

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 / device drivers
- C/C++
- Ethernet switching protocols and IP routing - good knowledge
- Real-time environment on microprocessor - good knowledge
- SNMP, Netconf, and/or Rest APIs
- Basic understanding of Telecommunication/optical communications terms and standards
- Familiarity with Repository and Continuous Integration tools (Git/Gitlab, Jenkins, Gerrit)
- Experience and willingness to work in agile environment (Scrum or Kanban)

Experience

- 8 years+

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,
- Ability to use your technical skills and personality to work towards the success of your team
- Ability to find/propose innovative solutions to meet the needs of the project/product

Contact : hr@ekinops.com