

R&D Software Development Engineer

Location: Sophia Antipolis, FRANCE

Contract type: Permanent, full time

Department: R&D

Ref: NFV_S1

Purpose of the job

As the network industry is entering into a new age, with more cloud-based applications and Network Function Virtualization (NFV), EKINOPS increasingly invests to maintain a leading role as a provider of advanced networking software and equipment.

The candidate will join our R&D department in Sophia Antipolis, the French Telecom Valley, playing a key role in the design and development of our innovative next generation virtualization solutions.

Duties and responsibilities

The R&D Software Engineer will have as main tasks and responsibilities:

- Engage with system and solutions architects in the design and shaping of innovative solutions
- Participate in the design, architecture definition, and technical specifications of new products or enhancements of existing products
- Perform coding of new modules according the specifications
- Investigate, analyze, correct, and document reported defects to enhance the quality of our products and our knowledge data base
- Create, document, and implement unit test plans, scripts, and test harnesses
- Create and maintain technical documentation to enrich the team's collective know-how

Skills and profile

Motivated software engineer, with a few years of experience, with system and network knowledge, you can demonstrate the following:

- **Good software development experience: C, Python, Shell**
- **Good knowledge of IP networks:** protocols, IP stack software development, (routing, security is a plus)
- Operating systems: good knowledge of Linux (administration, development)
- Knowledge of virtualization or data path acceleration technologies would be a plus.
 - Virtualization: hypervisors (KVM/QEMU, Virtio, VMware), ...

- DPDK, SRIOV, ...: Processor solutions for data path acceleration
- System performance tuning knowledge
- Open source minded, experience of some Linux distributions
- Good written and verbal communication skills in both French and English
- Autonomous, rigorous, and delivery-oriented with a commitment to quality and a thorough approach to the work
- Proven ability to work well within a team
- Potential and willingness for personal development and improvement

Proactive and organized, you are able to work in an international environment with cross-functional teams. While attractive compensations will take care of your everyday life, we believe you will be delighted by the atmosphere, the energy, the team-spirit, and the fun to work on products that will shape our future.