



## R&D Software Development PhD Engineer

**Location: Sophia Antipolis, France**

**Contract: Full-time position**

**Flexible work: mix on site and remote**

### Job Context

For 20 years, Ekinops has been driving innovation in network systems. Within the last decade, Ekinops has launched its innovative end-to-end open virtualization platform that enables clients to virtualize their network within a ZTP uCPE and manage it remotely using its NFV end-to-end solution.

Our NFV solution is autonomous, robust and easy to use and integrates the latest virtualization and acceleration technologies. To enhance and expand the solution, the NFV team is seeking an R&D Software Developer PhD Engineer that will lead new initiatives to enhance the performance of the NFV solution and extend it using Python, PHP and Yang modeling.

### Responsibilities

As part of the NFV team of 65 people, reporting to the NFVi uCPE Team Leader, you will have the following responsibilities:

- Participate in the design and architecture of the NFV solutions
- Propose innovative methods to enhance product performance
- Extend the product by developing innovative features including design documentations and automation
- Participate in enhancing the product GUI to make it more intuitive for end-user and hide the product's complexity
- Disseminate your knowledge to help increase the skills and know-how of the team in your areas of expertise.

### Profile and skills

An autonomous, proactive, eager to develop engineer with the following skills and experience:

- PhD in Computer Science or related field
- Solid programming experience in Python and PHP-based solutions
- Solid experience in Linux based environment
- Good understanding of networking concepts and protocols (IP, TCP, Netconf, MQTT, etc.) and ability to maintain Yang-based data models
- Knowledge in SDN, NFV and SFC

- Knowledge in packet processing acceleration (QAT, SRIOV, DPDK)
- Knowledge in virtualization technologies (Qemu, VMWare, Kubernetes ...)
- Systems security experience is a plus
- Good communication skills
- Fluent in both English and French (oral, written)
- Capacity to work in collaborative agile environment (team interaction with people in Belgium/France/India)

### **To apply**

Send your application to [hr@ekinops.com](mailto:hr@ekinops.com)