

PROTOCOL DEVELOPMENT ENGINEER

Region: France
Office Location: Paris
Division: Research and Development
Reporting to: Director of Development
Position: Protocol Development Engineer
Start Date: ASAP
Terms: Permanent, full-time

Position Summary and Primary Objectives

- Study, analyze, develop and maintain protocol decoding relating to Qosmos' core activities (in the field of DPI)
- Analyze, parameter and code software components in respect of standards and procedures, and according to the evolution guidelines set out for existing components.
- Ensure that technical goals and deadlines are met.

Main Duties / Key Accountabilities

Study of protocols

- Analysis of norms and standards
- Reverse engineering
- Research of technical specifications

Analysis

- Definition of specifications, needs analysis
- Software prototyping
- Performance-level estimations
- Workflow estimations

Development

- Development of modules
- Module assembly
- Authoring of internal technical documents

Qualification

- Participate in the elaboration of test plans
- Creation of test sets
- Carry out tests
- Identify and fix bugs

Maintenance, debug

- Corrective maintenance
- Upgrade maintenance

Key challenges

- Recognize and extract essential information from all traffic types
- Ensure optimum performance levels whatever the protocol analyzed
- Ensure Carrier Grade stability levels

Education, Training and Experience

- Masters degree in Computer Science with a specialization in information systems/networks
- Minimum of 2 years experience

Skills

- Proficient in C language
- Knowledge of Linux system/kernel
- Debugging techniques
- In-depth knowledge of network architectures
- Algorithms
- Fluent English
- Excellent IT culture

Personal Attributes and Skills Required

- Autonomous and solution-oriented
- Methodical, attentive to detail
- Adapts easily and quickly
- Intellectually curious
- Strong analytical and synthetic skills