



Software Developer (Based in Quebec City)

Tasks and responsibilities:

- NuRAN develops robust and reliable solutions adapted to the emerging countries market requirements. By joining the NuRAN software team you will be involved in the elaboration of the brand new LiteRAN xG-1 platform. This platform unifies 2G, 3G and LTE radio access technologies to offer maximum flexibility and long term site operation. You will be asked to design, develop and improve all software solutions around the new LiteCell xG-1 base station, its base station controllers and core network. NuRAN is a growing company with large potential for the next several years.

Requirements:

- Developer in C and C++ with a minimum of 5 years of relevant experience on x86 and x64 architecture;
- Hold a Bachelor's degree in computer engineering, software engineering or electrical engineering;
- Be bilingual (French and English);
- Must reside close to Quebec City;
- Must be comfortable developing linux drivers;
- Have good knowledge of networking;
- Familiar with the Linux OS and in particular Ubuntu distributions;
- Must be comfortable with git;
- Have experience in making python, perl or bash scripts;
- Be able to use Wire Shark to analyze traffic on a network.

Assets:

- Be familiar with the communication protocols TCP, UDP minimally and SCTP, VPN, tunneling;
- Familiar with Yocto or any other Linux image creation tool (u-boot, kernel, rootfs) for embedded systems;
- Knowledge of 3GPP / ETSI standards in GSM and UMTS to diagnose calls, SMS and data transfers;
- Be familiar with the SNMP protocol and the following GSM and UMTS protocols: MTP3, SCCP, AIF, AoIP, RANAP, HNBAP, RUA, RRC;
- Be familiar with container management tools like docker and kubernetes;
- Know how to develop in VHDL or verilog with Xilinx tools;
- Be familiar with web interface programming in PHP, CSS, HTML, and JavaScript.

Applications and any documents should be sent to career@nuranwireless.com and have the title of the opening in the « Object ».