

SYRMIA Networks R&D positions – C++ software engineer

SYRMIA Networks is seeking for an experienced and motivated engineer to join the field of Network Technology within our R&D department and work within the same team with CISCO R&D engineers **to work and contribute to the evolution of the next generation of leading networking products. Together with CISCO we are building firmware, SDK, simulators and compilers for Cisco Silicon One™ architecture and work in development of cutting-edge technology.**

Our R&D team with the partner (CISCO) are closely working on the new generation of silicon which will be part of all families of CISCO devices that will drive the future of the internet.

You will have a chance to work together with the CISCO R&D team in shaping the future of internet with these new platforms. SYRMIA Networks shares this vision and can be proud that it has a significant part in helping CISCO to make this internet evolution happen.

Why you should join us:

- The result of your work will be integrated into products of world leading companies, and it will change future of internet
- Opportunity to work with worldwide distributed CISCO R&D centers, and learn from the best engineers in the field
- We will enable you and motivate you to grow professionally and academically in cutting-edge technologies
- You will be surrounded with great engineers and even better people
- You will be working in a modern and pleasant environment and have a diverse benefits package (remote work, flexible working hours, parking, private health insurance, fit pass card etc.)

What we are expecting form candidates:

- Want to dive in and not afraid to make important decisions.
- Has a cheerful, positive attitude with good communication skills.
- Are a brilliant software/electrical engineer, regardless of previous experience.
- Can quickly ramp on interdisciplinary domains.
- Love tackling complex problems.
- Close interaction and cooperation internally and with the CISCO team in many different domains.

We need people who are in love with technology and engineering to help us push the limits of what is possible through innovation, determination, and teamwork.

What You'll Be Doing:

- Design, develop and program Linux/C++ SDK (Standard Development Kit) support for for Cisco Silicon One™ based devices
- Collaborating within software development teams on application design and development
- Identify bottlenecks and bugs, and devise solutions to these problems
- Optimizing software by performing maintenance, updates, and upgrades
- Help maintain code quality, organization, and automatization
- Design, develop and program data-path/packet processing flows
- Interact with HW and ASIC design teams internally and inside various CISCO locations

- Participate in the SW/HW integration

What are we looking for?

- Good working knowledge of C++
- Academic education in computer technology (finished or ongoing BSc / MSc studies)
- Good problem-solving, debugging and analytical skills
- Positive energy, motivation to learn and ability to work as part of a team
- High level of work autonomy and sense of responsibility
- Desire for improvement of current skillset in a fast-paced working environment
- Fluency in spoken and written English

What would stand out but not required:

- Understanding of computer networks and network protocols (Ethernet, TCP/IP...)
- Good understanding the way how hardware is working
- Experience with Makefiles and Linux
- Experience with debugging directly on hardware
- Knowledge of I2C, SPI, USART, PCI communication protocols
- Kernel driver development
- Experience with ARM microcontrollers
- Basic knowledge of Python scripting
- Software techniques for writing optimized code
- Familiarity with the concept of unit testing

Experience with other programming languages and tools such as Python and SWIG

“This is a unique opportunity to be part of a leading team developing next gen product which will soon handle all internet packets. A few years from now all internet packets worldwide will go through the device we develop!

Cisco Silicon One™ is a revolutionary, ground-breaking technology for our customers and end users for decades to come! The Internet now has a new faster, better, safer engine! “

<https://www.forbes.com/sites/patrickmoorhead/2021/03/29/cisco-maintains-cisco-silicon-one-momentum-with-new-devices/?sh=1a5cc7571dba>

<https://newsroom.cisco.com/press-release-content?type=webcontent&articleId=2218514>

<https://blogs.cisco.com/sp/cisco-silicon-one-powers-the-next-generation-enterprise-switches>

For more information write us via e-mail: jobs@syrmianetworks.com