

## Research position at Nokia Bell Labs (Antwerp, BE)

### **Bell Labs Researcher in Computer Science / Software Engineering**

The communication systems software group within Nokia Bell Labs designs and develops next-generation communications software and software platforms. The team's mission is to reinvent the way people and devices interact and collaborate. The team builds research prototypes that have the potential to impact Nokia's existing products or to grow into entirely new products. The team is located in Antwerp, Belgium.

Bell Labs conducts research in a wide variety of topics, ranging from fiber-optics and wireless, to cloud-based and highly distributed computing, to fundamental physics, mathematics and computing. It is the birthplace of the transistor, information theory, cellular networking, UNIX and the C programming language, and many other fundamental technological discoveries. Bell Labs researchers have won 8 Nobel Prizes, 3 Turing Awards, and several National Medals of Science and of Technology and Innovation.

### **Main Job Role**

We are looking for an inspiring new team member that can help us research and invent groundbreaking new software technologies at the intersection of communications software, distributed systems, IoT and networking.

### **Main Responsibility Area**

- Create new intellectual property through code, patents, prototypes, papers, software libraries, etc.
- Work with Bell Labs researchers across the globe, and external academic and industrial partners, on challenging technical research projects.
- Work with Nokia business units to transfer knowledge and to consult on expert knowledge.
- Work on technologies that will impact existing and future Nokia products; advance the state-of-the-art and create disruptive new products.
- Act as prime reference and go-to person in your field of expertise.
- Create proof-of-concept demonstrators and publish, present and convince others of your work.

### **Position Description**

We are looking for a person with academic and/or industrial research experience on state of the art software systems that can combine hands-on development with the ability to master deep technical topics.

Primary research expertise in one or more of the following fields is considered a plus:

- Software synthesis, program generation, compilers
- Blockchains, decentralized computing, P2P technology
- Distributed systems, cloud computing
- Embedded systems, experience working with IoT devices and protocols
- Natural language processing
- AI and Machine learning
- Adaptive and autonomous systems

### **Position Requirements**

- You have a PhD degree or Masters degree in Computer Science or ICT Engineering.
- You have experience working as a researcher, with demonstrable output such as published code artefacts, publications and/or patents, successful collaboration in research projects, etc.
- You can conduct independent research including exploration of new research domains, hands-on software development to build research prototypes, writing patents & publications.
- You have demonstrable programming skills. You have experience with building software involving a combination of open source frameworks and libraries.
- You are a great communicator, able to explain your goals and your research to a wide audience.
- You are a quick learner, able to identify & research new technologies.
- You have personal drive, are committed to team objectives and have a positive, “can-do” attitude.
- You feel comfortable working in an international environment where English is the main language.
- You are capable of working autonomously with little day-to-day guidance.

To apply, send your CV and motivation letter to Tom Van Cutsem <tom.van\_cutsem@nokia-bell-labs.com>