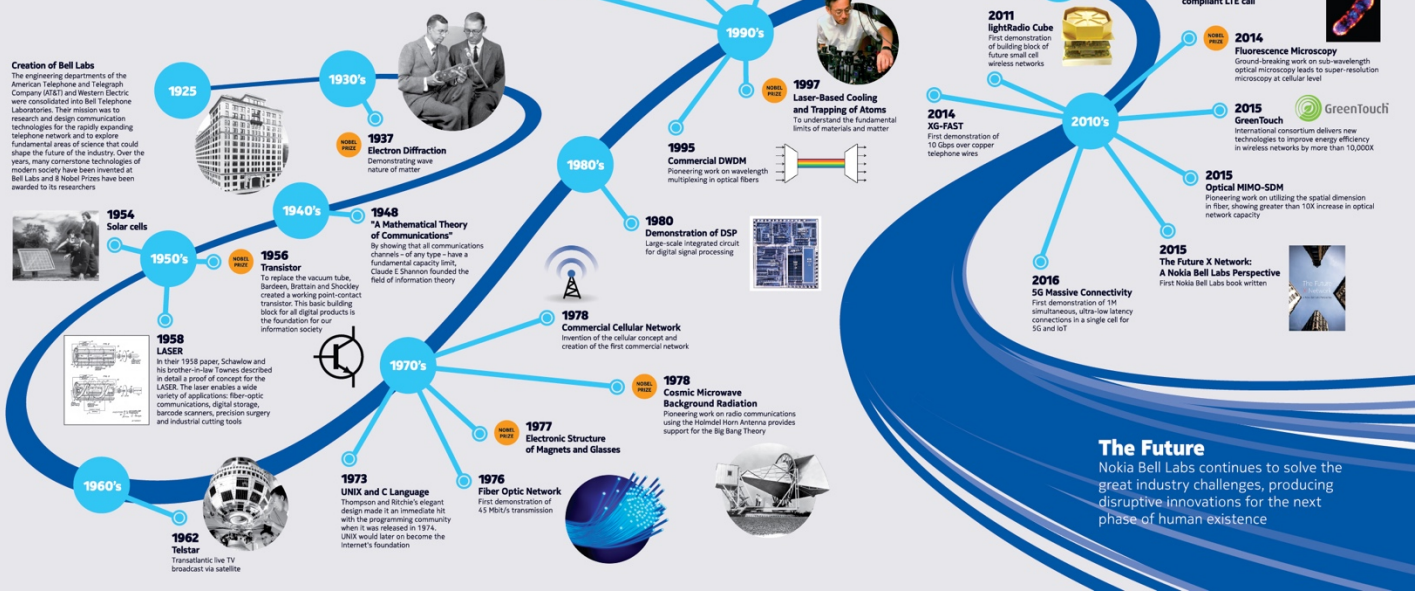


Inventing the Future X Network



The Future
Nokia Bell Labs continues to solve the great industry challenges, producing disruptive innovations for the next phase of human existence

BACKEND RESEARCH ENGINEER

Social Dynamics Research, Nokia Bell Labs, Cambridge

The Social Dynamics team at Bell Labs Cambridge (UK) has one open position for backend engineers. Candidates who have the aspiration to work in a highly-dynamic research environment are particularly valued.

Nokia and Bell Labs

Nokia is a global leader in the technologies that connect people and things, and Bell Labs is a worldwide research and development community that focuses its efforts on key technologies. It is internationally renowned as the birthplace of modern information theory, the transistor, the laser and the UNIX operating system.

Bell Labs Cambridge

As part of the emerging research area of "Computational Social Science", the Social Dynamics team answer questions typical of the social sciences using computational methods and, in so doing, produce long-term research (in very 'Bell Labs' style). Members of the team include Daniele Quercia (www.researchswinger.org), Luca Maria Aiello (www.lajello.com), and Miriam Redi (www.visionresearchwitch.com).

Main responsibilities

1. Develop backend web applications, demonstrators, and RESTful APIs
2. Collaborate closely to a mixed team of Engineers and Scientists to translate research outcomes into scalable solutions for end-user products

Expected qualifications, skills and experience

1. BSc or above in Computer Science, Engineering, or related field
2. Strong development skills in Python, Java, C, PHP, JavaScript (and associated libraries), MySQL, PostgreSQL.
3. Web Services development and deployment (Java EE, Node.js, or equivalent).
4. System engineering experience (Linux environment). Deep knowledge of the UNIX operating system and of Shell programming.
5. **Preferred:** experience working with GIS backend technologies (e.g., PostGIS, CartoDB), NoSQL databases, machine and deep learning tools (sci-kit learn, caffe), distributed computing frameworks (MapReduce, Hadoop, Spark), and Configuration/Management of scalable/flexible Cloud Computing Services (Amazon, or Google).

Please send your CV and a brief cover letter with the subject line "Backend" to daniele.quercia@nokia-bell-labs.com at earliest convenience For informal inquiries, please contact daniele.quercia@nokia-bell-labs.com.