



NEC Laboratories Europe research and develop cutting-edge technology to create innovative social solutions. Researchers choose their projects, lead scientific discovery and are consistently published in top, peer-reviewed scientific papers. NEC Laboratories Europe technology promotes NEC Group solutions for a better society in the fields of digital health, communication infrastructure, safer cities and public services. For more information visit <https://www.neclab.eu>.

NEC Laboratories Europe has an immediate opening for a

## (Senior) Research Engineer

in the field of Data Ecosystems

[ref: 2205-437-DES]

NEC Laboratories Europe is looking for a (Senior) Research Engineer for the emerging field of Data Ecosystems to enhance technology and create data space platforms and related applications based on the standards from organizations such as GAIA-X, IDSA, or FIWARE, with Smart Cities.

As (Senior) Research Engineer you will:

- Develop research prototypes of 'data spaces', including primarily ingestion and analysis platforms leveraging our data brokering and data linking/analytics technologies for structured data
- Propose enhancements and protect them with patent applications
- Contribute to our innovation roadmap with new features, capabilities, technology directions
- Integrate new data sources and establish data exchange pipelines including our novel algorithms and your own enhancements
- Prepare for and conduct trials with prospect customers including technical promotion (customer needs analysis, feature prioritization, adaptation)

At NEC Laboratories Europe, we provide a collaborative, team working environment that supports your career aspirations. Our working language is English. The position is initially limited to two years.

Please send your application **by June 15<sup>th</sup>, 2022** electronically via the applications web system <https://www.neclab.eu/join-us> with reference to **[2205-437-DES]**.

### Desired Skills and Experience

- Proven experience in a lead engineering role of advanced data integration/analysis platforms and pipelines
- Programming know-how: Python is a must; Java is highly desired; Web technologies useful
- Knowledge of data brokering, knowledge graph, GIS, and digital twin is of great advantage
- Experience with machine learning tools such as PyTorch, scikit-learn, or Tensorflow
- Strong background in system architectures and software engineering; experience demonstrated via industrial projects, substantial contributions to open-source projects
- Patents and industrial innovation
- Experience with cloud and edge programming is a strong plus

We are seeking individuals who are passionate about working with data, bringing research into application domains, as well as interested in developing real systems/prototypes. Applicants should have a Master/PhD in computer science or a related subject.

### For questions, please contact:

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