

# Traineeships in IT Security

Students and graduates

Horizontal Line Supervision, Information Systems, Market Infrastructure & Payments 4323

## General Information

**Type of contract** Traineeship

**Who can apply?** EU nationals eligible for our traineeship programme (see further information section)

**Grant** The trainee grant is €1,070 per month plus an accommodation allowance (see further information section)

**Working time** Full time

**Place of work** Frankfurt am Main, Germany

**Closing date** 06.10.2021

## Your team

You will be part of our highly motivated Information Technology (IT) security teams in one of the following divisions: Digital Security Services (in the Directorate General Information Systems), Market Infrastructure Support (in the Directorate General Market Infrastructure and Payments) or Supervisory Risk – Non-Financial Risk (in the Directorate Horizontal Line Supervision, which is part of ECB Banking Supervision). We design and implement IT security solutions, we carry out information security governance tasks and we organise, monitor and coordinate on-site inspection activities relating to IT risk.

In your role as a trainee in one of our IT security teams, you will help to protect the ECB's and the European System of Central Banks' IT assets or contribute to IT supervision activities. This will involve working closely with stakeholders in the ECB's Directorate General Information Systems and other business areas, as well as at national central banks and national supervisory authorities.

The Single Supervisory Mechanism (SSM) is the system of banking supervision in Europe. It comprises the ECB and the national supervisory authorities of the participating countries.

The ECB is an inclusive employer and we strive to reflect the diversity of the population we serve. We encourage you to apply irrespective of age, disability, ethnicity, gender, gender identity, race, religious beliefs, sexual orientation or other characteristics.

## Your role

You will gain insight into and hands-on experience of the real-life application of IT security according to international standards and methods. You will work in a team under the guidance of a mentor, taking initiative and contributing to the work of your division.

As a trainee in the Digital Security Services Division, you will:

- contribute to security engineering, security operations or security governance activities in areas such as IT risk management, communication and network security, identity and access management, cloud security, vulnerability management, penetration testing, threat intelligence and security awareness.

As a trainee in the Market Infrastructure Support Division, you will:

- review the information security controls and cyber resilience posture of the Eurosystem's market infrastructures, such as TARGET2, TARGET2-Securities and TARGET Instant Payment Settlement. These infrastructures support the efficient processing of payments and securities transactions and are systemically important for financial stability in the euro area. Work will also include reviewing the existing frameworks for the identification and management of (cyber) threats and threat scenarios to support the identification and assessment of operational (cyber-related) risks. Moreover, as part of the Division's work you will support the activities of the second line of defence for the TARGET Services and review and assess the first line of defence activities related to TARGET Services cyber resilience.

As a trainee in the Supervisory Risk – Non-Financial Risk Division in ECB Banking Supervision, you will:

- contribute to support Joint Supervisory Teams in IT risk supervision (e.g. on areas such as cyber incident reporting, IT metrics and training);
- participate in IT risk data analysis for the preparation of notes, memoranda, external publications and dossiers.

The position offers you an excellent opportunity to join a stimulating environment and gain experience across a range of information security topics. You will be part of a multicultural team that strives for continuous innovation to make a positive impact on the lives of European citizens.

## Qualifications, experience and skills

**Essential:**

- a bachelor's degree or higher in the field of computer science, information security, mathematics or another relevant field;
- good IT and analytical skills;
- familiarity with one or more information security or cyber resilience concepts, such as IT risk management, identity and access management, cryptography, threat intelligence and vulnerability management;
- a good knowledge of the MS Office package;
- an advanced (C1) command of English and an intermediate (B1) command of at least one other official language of the EU, according to the [Common European Framework of Reference for Languages](#).

**Desired:**

- knowledge of international IT security standards or frameworks (e.g. ISO 27000 family, COBIT and NIST);
- programming or scripting skills relevant to security engineering or data analysis;
- knowledge of operational risk management frameworks (for the traineeship in the Market Infrastructure Support Division and the Supervisory Risk – Non-Financial Risk Division);
- knowledge of payments, securities settlement or collateral management systems and related international requirements for their secure operation (for the traineeship in the Market Infrastructure Support Division).

You are curious and eager to learn, and want to further develop your ability to analyse complex information. You are keen to collaborate with others, pursue team goals and learn from other people's diverse perspectives. You strive to know and anticipate stakeholder needs, and will signal any need for change and propose alternative solutions.

You are motivated to contribute to the ECB's mission, to serve the citizens of the EU as a member of a public institution and to work with colleagues from all over Europe. You are keen to be part of our team and to use your skills and competencies to achieve the objectives of this position.

## Working modalities

Playing a role at the European Central Bank and in European banking supervision entails collaborating in multinational and multicultural teams and operating in the context of different national frameworks, for which a strong ability to use different EU languages for business purposes is an asset.

## Further information

Traineeship of between 6 and 12 months in total.

For additional information on this specific vacancy, you can contact:

- Digital Security Services @ [Federico.Leopizzi@ecb.europa.eu](mailto:Federico.Leopizzi@ecb.europa.eu)
- Market Infrastructure Support @ [Tony.Melsen@ecb.europa.eu](mailto:Tony.Melsen@ecb.europa.eu)
- Non-Financial Risk Experts @ [Alberto.Partida@ecb.europa.eu](mailto:Alberto.Partida@ecb.europa.eu)

## Application and selection process

Further information on how to join us is available on our [website](#).

The recruitment process for this position will include an online interview.