

Master Thesis Cybersecurity and Zero Trust Architecture

Register and apply



e.on

Essen (NRW), Frankfurt (HE)

The most important information at a glance

Employment type

Part time

Type of contract

Fixed-term contract

Work Model

Hybrid

Company

E.ON Digital Technology GmbH

Job number

226047

Contact

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Inclusion

Mit unserer offenen und wertschätzenden

Unternehmenskultur heißen wir alle Menschen willkommen. Denn wir sind davon überzeugt, dass uns Unterschiede bereichern – sei es in Herkunft, Geschlecht, Alter, Lebens- und Arbeitsstilen, Talenten, Fähigkeiten und Einschränkungen.

Our unit Cyber Security Architecture gives strategic direction to the business and IT stakeholders by providing roadmaps, guidelines, architecture blueprints and reference architectures for global technology platforms propelling security by design within E.ON. Together with this visionary team, you have the chance to make a real impact!

An important topic for our team is Zero Trust, which is a security model that assumes no user or device can be trusted by default, and requires strict verification and authorization for all access attempts. In researching this topic within E.ON, you will get supervision from assigned team member(s).

meaningful & challenging - Your tasks

- Conduct comprehensive literature review on Zero Trust architectures, including academic papers, industry reports, and best practices
- Collect and analyze relevant data from various sources within the company, such as network logs, architecture documents and employee feedback
- Engage with IT and business stakeholders to find answers to model-related questions
- Develop a framework or methodology to assess the maturity of our company's readiness for implementing a Zero Trust architecture, including criteria and metrics for evaluating our security infrastructure
- Prepare a comprehensive report summarizing the research findings, recommendations, and potential challenges/limitations in the study
- Regularly align with your internal supervisor at E.ON and coordinate necessary formalities with your university

authentic & ambitious - Your profile

- Currently enrolled in a master's program in a relevant field (e.g. cybersecurity, business informatics, computer science, information technology)
- Strong research and analytical skills
- Familiarity with cybersecurity concepts and principles
- Excellent written and verbal communication skills
- Ability to work independently and meet deadlines
- Familiarity with Networking, Cloud and Identity topics
- Fluent in English

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smart & useful - Our benefits

- **We give you flexibility:** Do your work from wherever you want in Germany, from your couch or one of our great offices from Hamburg to Munich.
- **We appreciate your contribution:** We support your financial independence with a market-based remuneration.
- **Your development:** We grow and we want you to grow with us! We offer interesting and exciting tasks and different entry options after graduation.
- **Lets empower each other:** Take the opportunity to engage in our Digital Empowerment Communities for collaboration, learning, and network building.

The duration and specific requirements of the thesis will be discussed and agreed upon with the academic advisor.