



IT specialists

Germany is an excellent location for your professional future in IT. The technology sector is one of the main economic sectors in the Federal Republic of Germany.

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Working as a software developer in Germany

Working in Industry 4.0 - opportunities for IT talents

Nowadays, digital applications and intelligent technology define our day-to-day lives. Tools are printed with 3D printers, languages can be learnt with apps and robots have taken on many tasks. As a result, the IT industry is one of the most innovative sectors in the world.

Germany is still influenced by the **[spirit of innovation](#)**, meaning that the German markets for IT, telecommunications and consumer electronics are in leading positions within Europe. With an innovator rate of 92.4%, the industry is not only one of the most innovative in Germany but is also a driving motor of the German economy, generating a turnover of 307 billion euros. That is the reason why IT specialists in Germany are more in demand than ever.

IT in Germany: figures at a glance



109,000 job positions

are vacant in the IT sector.



92.4%

of ICT companies are actively driving product or process innovations forward.

Skilled labour in demand: IT specialists in Germany

Take one of the diverse career and development opportunities in Germany using your professional abilities and creativity! In 2025, around 109,000 job positions in the IT sector remained vacant. Experienced or

qualified IT specialists can therefore hope for attractive jobs in small and medium-sized enterprises, in the manufacturing industry or in large international companies. Specialists in the following fields are particularly in demand:

- **Software development:** as a software developer, you will design and implement software using the appropriate programming language. Your work will be user-oriented, and you may program complete applications or individual building blocks.
- **Application support:** in this occupation, you will maintain and provide support for software and hardware, such as SAP or SharePoint. Working in application support, you are a central point of contact for the company's products.
- **IT security:** as an IT security expert, you will be responsible for the protection of the company's data. Continuous [further training](#) to stay up to date as well as working on novel solutions for software systems are part of your field of responsibility.
- **Data science:** as a data scientist, you will analyse large quantities of data and deduce the appropriate solutions. To this end, you will use various methods in information technology and mathematics.

Working in IT: When do you need a visa?

As a citizen of the European Union, Liechtenstein, Iceland, Norway or Switzerland, you do not require a [visa](#) or a [residence permit](#) to work in Germany. Citizens of other countries do require a residence permit for this purpose. You can find more information on the [work visa for qualified professionals](#) and the [EU Blue Card](#) in the "[Visa](#)" section.



Visa opportunity for IT specialists without a formal degree

Do you have practical experience in the field of information and communication technology but no formal qualifications? Find more information in the "[Work visa for IT specialists](#)" section.

How to start your IT career in Germany

- **Your career prospects:** with our [Quick-Check](#), you can find out about the opportunities available to you for working and living in Germany.
- **The German employment market:** find out more about job-hunting and get useful tips in our “[Looking for a job](#)” section.
- **Apply now:** find a suitable position in our ["Make it in Germany" job listings](#) and use our tips for a successful [job application](#) in Germany.

Learn more: Exclusive information for IT specialists

Do you need more information on working as an IT professional in Germany? On “Make IT in Germany!”, you will find everything you need to know about the German IT industry and how you can kick off your career step by step.

“Make IT in Germany!”

Information on the web

German Federal Employment Agency

[ICT Experts for Germany](#)

BITKOM e.V.

[Federal Association for Information Technology, Telecommunications and New Media](#)

BVDW e.V.

Digital Summit

[Central platform for digital change](#)

NETZWERK Unternehmen integrieren Flüchtlinge

[Vocabulary pamphlet for employees in the digital and IT industry \(in English, Spanish, French, Portuguese\)](#)

[Vocabulary pamphlets for other professions and languages](#)



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