

Welcome to Germany

ZAV – INTERNATIONAL AND SPECIALIZED SERVICES



GD Bildung und Kultur
Programm für lebenslanges Lernen



Bundesagentur für Arbeit

Zentrale Auslands-
und Fachvermittlung (ZAV)

The International Placement Services (ZAV), a department of the German Federal Employment Agency in cooperation with EURES, is recruiting and placing job seekers who are interested in working in Germany.

On behalf of **various employers throughout Germany**, we are looking for:

Data Scientists / Data Analysts (m/f)

educational background

university degree in data science, computer science, software engineering

brief description

Data science is an interdisciplinary field about scientific methods, processes and systems to extract knowledge or insights from data in various forms, either structured or unstructured.

Data analysis is a process of inspecting, cleansing, transforming, and modeling data with the goal of discovering useful information, suggesting conclusions, and supporting decision-making.

required skills and knowledge

- fully qualified and completed degree in data science or other relevant studies
- working experience in the field of data analysis / data science / data mining
- knowledge of data base structures (Access, SQL, Oracle etc.)
- knowledge in data statistics
- knowledge in the visualization of data
- programming skills are an advantage
- high motivation and flexibility
- good team work abilities

language skills

- English – fluent / professional level
- German – basic to good level is an advantage
- additional languages are a plus

[optional: Are you interested? We look forward to receiving your application documents at:

email-id

For further information or assistance, please contact us. **contact details]**

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On behalf of **various employers throughout Germany**, we are looking for:

Database Developers (m/f)

Datenbank-Entwickler (m/f)

educational background:

university degree in computer science, especially business information systems

brief description

Database developers are specialised on designing, programming and applying of database systems. The aim is to provide an efficient and uncomplicated usage as a perfect fit to the company's needs.

scope of duties/functional areas (exemplary)

- Responsibility for requirement analysis, resource input estimation
- Evaluation of cost-benefit-ratio
- Guarantee for data integrity and data security
- Structuring and categorization of business data
- Responsibility for data structure, processing logic, UI
- Provide support to the specialist departments
- Consulting users on a regular basis
- Software testing
- User trainings, creation of manuals
- Independent implementation of development tasks

skills and knowledge:

- Experienced in some of the following: MySQL, Oracle, T-SQL und PL/SQL, Windows Server, Ajax, Apache, Java Hibernate, C#, .Net, PHP, Perl, Visual Studio, VMware
- Well-trained analytical and abstract reasoning
- Working experience in software development and databases
- Knowledge of business administration processes
- Communicative and team-oriented personality

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- Flexibility to travel within Germany and abroad

language skills

German – minimum B1/B2 due to extensive contact with colleagues and customers

English – minimum B2

additional languages are a plus

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On behalf of **various employers throughout Germany**, we are looking for:

Software Architects (f/m)

Softwarearchitekten (m/f)

educational background

university degree in computer science **or** IT related, scientific or technical education/degree

brief description

Software Architects (f/m) provide guidance on the pros and cons of possible implementation approaches and validate initial technology choices. In this process Software Architects may conduct research, consult with counterparts in the organization or elsewhere, and hold discussions with technology providers. As a main artefact they identify and set technical specifications of design levels and support implementation processes of specifications.

scope of duties/functional areas (exemplary)

- The creation, documentation and communication of software architectures based on requirements and business analysis outcomes.
- Review of the architecture's realization by providing solution-specific details and constraints for algorithms, data, and technology choices.
- Evaluation and validation of technologies, development of prototypes and general software related research.
- Serving the team as a technology consultant.
- Active participation in the review of specifications.
- Contribute to defining development standards for the organization.
- Map the Enterprise Architecture (EA) to the solution's implementation architecture by providing solution-specific detail for application, data, and technology views of the architecture.
- Evaluate code features to meet the design specifications.
- Conduct code reviews during development to share knowledge and experience.
- Interface with hardware design and development
- Support software QA and optimize I/O performance

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skills and knowledge:

- working experience in field of software architecture for embedded systems
- solid programming experience in at least one of the following languages: **C, C++, Java, JavaScript, C#, HTML, CSS, PHP, Python**
- excellent knowledge of OS coding techniques, network protocols, interfaces and hardware subsystems
- knowledge of common modeling languages, e.g. UML
- familiarity with software configuration management tools, defect tracking tools, and peer review
- good trouble shooting and communication skills
- basic knowledge of risk management techniques
- flexibility to travel within Germany and international

language skills

German – minimum B1 and willingness to improve, due to extensive contact with colleagues and customers

English – minimum B2

additional languages are a plus

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Software Developers (m/f)

educational background

university degree in informatics, computer science, software engineering/development or other relevant studies

brief description

the job profile includes all facets of the software development process, including research, design, programming, and testing of computer software.

required skills and knowledge

- working experience in the field of software development
- advanced knowledge of at least 1 of the following programming languages

C, C++, Java, JavaScript, C#, HTML, CSS, PHP, Python

- additional programming skills are an advantage
- knowledge of data base structures (Access, SQL, Oracle etc.) is an advantage
- high motivation and flexibility
- good team work abilities

language skills

- English – C1
- German – A2 to B2 is an advantage, but not mandatory for every position
- additional languages are a plus

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Software Testers (m/f)

Software-Tester (m/f)

educational background:

university degree in computer science **or** IT related, scientific or technical education/degree

brief description

The main task is to sustain software development processes by testing the product's characteristics regarding software quality and usability, which is achieved by close cooperation with specialists in system analysis and the costumers.

scope of duties/functional areas (exemplary)

- Planning / design of tests, including test strategies and test environments
- Configuration and maintenance of test environments
- Determination of test levels
- Development, preparation, conduct and documentation of manual / automated test sequences according to test objects, test objectives and quality characteristics
- Development and transfer of test protocols / error logs
- Evaluate errors in regard of their possible effects on system functionality

skills and knowledge:

- Working experience in software development and databases
- Profound experience in at least one of the following languages: C, C++, Python, Java, PHP, .NET, JavaScript, C#, HTML, CSS, Ruby, Perl
- Deep functional knowledge of testing tools
- Certifications (ISTQB) are an advantage
- Knowledge of procedures and requirements in quality management
- Flexibility to travel within Germany and abroad

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language skills

German – minimum B1/B2 due to extensive contact with colleagues and customers

English – minimum B2

additional languages are a plus

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On behalf of **various employers throughout Germany**, we are looking for:

Web Developers Frontend and/or Backend (m/f)

educational background

university degree in web / software development, web design or computer science

brief description

A web developer is a programmer who specializes in, or is specifically engaged in, the development of World Wide Web applications, or distributed network applications that are run over HTTP from a web server to a web browser.

required skills and knowledge

- fully qualified and completed degree in web development or other relevant studies
- working experience in the field of web development
- knowledge of the following programming languages

HTML, CSS, JavaScript API

- additional programming skills are an advantage (ASP.NET, PHP, Python etc.)
- knowledge of web development technologies is an advantage (Flash, Silverlight etc.)
- high motivation and flexibility
- good team work abilities

language skills

- English – fluent / professional level
- German – good
- additional languages are a plus

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