



STC – Munich: Software Development Engineer (SDE)

The Search Technology Center (STC) is a new and exciting area for Microsoft in Europe. STC Europe is working in partnership with Live Search and Microsoft Research to deliver innovative Internet Search products and services to the European and global markets. We need strong talent to improve the overall search platform and relevance of search results in European markets.

As a Software Development Engineer (SDE) you will work on multiple concurrent projects focusing on the relevance of search results on Live Search and will need a background in C++/C#/Java.

Team/Department Mission

Europe contains three of the four highest-value, highest volume search markets (UK, Germany & France). The STC's mission is deliver the best search experience for Microsoft customers in Europe and around the world making Live Search the search platform of choice. The Munich office is focusing on improving the overall search platform and relevance of search results in European markets.

Our team flourishes on regular deep interactions with research, incubation projects, and other high-profile teams across the globe. Experimentation, relevance measurements, results ranking, data mining, index composition, spelling, and web spam busting are some of the topics that keep this team busy. Our development efforts span the search runtime, search platform, web crawling and indexing, as well as the data mining platform. We have a distributed system with tens of thousands of computers (and growing) to return results from billions of documents, several thousand queries at a time, in a matter of milliseconds. Crawling and indexing the web is a large scale distributed problem with exacting needs in speed, accuracy, and comprehensiveness - and expanding relevant coverage across multiple markets poses additional unique challenges.

Key Accountabilities

We are looking for a passionate, creative, self-starter developer who thrives in a start-up environment where you will be required to engage in multiple simultaneous projects. Projects will range from high level vision, to design and implementation of both self contained components and large team oriented code. As a SDE you will be responsible for shipping highly scalable and reliable web-enabled services through multiple product cycles while dealing with cross-team dependencies, rapid shipping schedules and ambiguous requirements. The unique environment of Search Relevance includes the need for SDEs to perform multiple experiments with a deep understanding of machine learning algorithms and large-scale data mining.

Knowledge, Skills and Experience

Essential Experience

Extensive software design and development experience with C++/C#/Java

Experienced in writing scalable, distributed and highly efficient components - with experience working with huge amounts of data distributed on multiple machines

Experience shipping and support web services

Prior experience in an area such as massive database applications, parallel or distributed processing, high performance computing, large scale data mining, machine learning, or natural language processing is strongly preferred

Personal Attributes/Interpersonal Skills

Ability to work independently and in a team to research innovative solutions to challenging business/technical problems

Excellent interpersonal communications skills, written communication skills and the ability to work well in a team environment

Demonstrated experience delivering results through collaboration across disciplines, feature teams, and partners

Qualifications

BS/MS in computer science or a related discipline is strongly preferred.

Special Requirements/Additional Information e.g. Language Skills

Strong verbal and communication skills in English are required and fluency in German, French, Spanish or other European languages is highly desirable.