



STC – Europe: Software Development Engineer (SDE)

Are you looking to tackle problems at Internet scale? Do you find yourself using Search and being frustrated that you cannot find the right results? Are you interested in international markets and care deeply about presenting a global experience to our customers? Are you looking for a start-up like work environment, but appreciate the backing of an established organization? Do you relish being in the role of an underdog facing stiff competition? You have found the right team!

The Search Technology Center (STC) Europe – The Paris office is focused on growing the search business in Europe by leveraging the work done in London to improve the overall local search platform and core relevance and then by extending the reach of core search features and designing new Search features to the European Market. Working with the core team in Redmond to understand the search roadmap, working with search leads in Europe to bring those core search features to life, understanding the needs of the European market and developing compelling new features that will drive the search business are the main focus for the team in London.

Why STC Europe - Paris?

- Europe contains three of the four highest-value, highest volume search markets (UK, Germany, and France).
- We need strong talent on the ground to improve our results and until now we have had only minimal product development resources to support these markets. This is a rare opportunity to join a new team where you can see an immediate impact through your contributions.
- We are made up of a team of dedicated leaders and technical contributors passionate about delivering the best search experience for Microsoft customers in Europe and around the world.
- STC Europe works on a diverse set of projects ranging from ownership of Search in Europe to enhancing the global search platforms.
- You will have the opportunity to work with world class researchers from MSR Cambridge and to closely collaborate with developers in Redmond, Munich, Paris, and China.
- For the right candidate this is a chance to combine international experience with a front line seat in our battle for Web Search in Europe.

Role & Responsibilities:

We are looking for a talented Software Development Engineer- an individual with a desire to code & architect solutions to difficult problems, with the ability to create, innovate, and define the next generation of Search. If you have experience in areas such as parallel or distributed processing, high performance computing, large scale Data and Text Mining, machine learning, or natural language processing, then we are interested in you. As one of the key players of our Domain Relevance team, you will be working closely with other highly motivated Search engineers. In the process, you will help mine the web and other sources for relevant data, scale algorithms and implement global improvements, and efficiently parallelize those approaches to 1,000s or 10,000s of CPUs. If you have a passion for collaborating with talented individuals, for coding efficient implementations of challenging algorithms, for excelling in a small, dynamic, team-oriented environment, and for producing production-quality services that compete directly with offerings from Google, and others, then you will be interested in us.

Required Qualifications:

Success in this position requires a broad set of experiences and skills, ranging from excellence in core engineering to the ability to build a collaborative working relationship with other developers and across disciplines.

We are looking for a passionate, creative, self-starting Software Developer who thrives in a start-up environment where you will be required to engage in multiple simultaneous projects. You will be expected to work on many levels - from high level vision, to design and implementations of both self-contained components and large, team-oriented code bases. Your C#/C++ coding skills will be challenged writing scalable, distributed, and highly efficient components. Candidates must have experience working on highly-scalable and reliable web-enabled services. Fluency in German, French, or Spanish is a plus.

The required qualifications for this position include:

- BS in Computer Science required; MS / PhD or equivalent experience desired
- Strong theory/algorithm background and very good understanding on how to apply advanced knowledge to solve real problems.
- Solid OO design, coding and debugging skills
- Software design and development skills/experience with C++/C#/Java
- Proven experience developing and supporting web services
- Prior work on large scale database and web applications or platforms preferred
- Experience in very large real world data processing/analysis especially with web data preferred
- Knowledge of statistics
- Demonstrable research work or industry experience in one of the following areas:
 - NLP, Computational Linguistics, Knowledge Representation
 - Machine learning, AI
 - Data mining solutions on text data
- Ability to work independently and in a team to research innovative solutions to challenging business/technical problems
- Strong verbal and written communication skills in French & English are required, fluency in another European language such as German, or Spanish is desired

This position is located in Paris, France and may require travel within Europe and to Redmond, USA.

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