

We are looking for a...

C++ Software Engineer

Job Role

C++ Software Engineer

Salary Range

Dependent of experience

Recruitment for start

ASAP

About Cortexica

Cortexica is an award-winning provider of visual search and image recognition technology for websites and hardware devices. Our Vision platform is used by global businesses, retailers, brands, and technology companies to power real-time image search and video search within large databases of photos and videos. Cortexica's patented bio-inspired visual search platform is the most efficient, scalable and accurate image search product of its kind.

About the role

As C++ Developer / C++ Software Engineer at our company you will be responsible for participating in the full development lifecycle of our back-end systems, helping design innovative new products, planning and writing code and creating unit tests. Our team consists of top Engineers, Scientists and thought leaders internationally - so as a C++ Software Engineer you will have the chance to learn and work in an environment where you will get exposure to cutting edge artificial intelligence techniques.

You will also get the opportunity to shape architecture and be influential in applying best practice; using Continuous Integration and TDD. You will also be developing scalable products for cloud platforms, such as AWS.

You must be passionate, proactive, ambitious and open to learn the latest technologies and trends.

Ensuring good coding practice throughout the team: code review, documenting code and choices, share knowledge with other team members and be able to reuse code without "reinventing the wheel".

Responding to time critical issues, understand how to balance delivering projects on time, find good/better solutions when building software with the ability to be "technology agnostic" and testing out different solutions to find the best fit for every challenge.

Responsibilities

Essential:

- Solid experience of coding in C++11 or newer, multi-threading, parallel-processing, code-optimisation, and low-level debugging.
- At least 5 years' experience in commercial environment and full development life cycle and testing. Working knowledge of TDD is essential.
- Excellent Object-oriented design principles.
- Good experience using GIT or other version control systems.
- Familiar with Agile development methodology.

Would be an advantage:

- Experience with processing video files or RTSP streams.
- Experience with parallel-processing on GPUs using CUDA.
- Experience with any machine-learning frameworks (TensorFlow, Caffe, Torch).
- Experience of development within AWS.
- Experience of scripting using Bash or Python.

We value above all else a positive energetic attitude towards solving big compute and scalable system challenges.

The ideal candidate will have:

- A Computer Science degree or related technical field or equivalent practical experience
- Strong C++ programming ability - ability to write high quality and maintainable code
- A good understanding of algorithms, software architecture and design
- An ability to collaborate within an Agile team and communicate effectively
- Good problem solving and analysis skills
- Must be a team player: communicative person who works well as individual (doesn't need hand holding) as well as part of a team. Keen to learn – happy to ask questions, eager to push the boundaries – bring their own ideas, delivery focused who also follow requirements.
- Keen to take ownership, attention to detail and make a difference
- Ability to respond under a dynamic work environment with quickly changing priorities

Please send your CV to engineering.roles@cortexica.com