CEMWorks

300-136 Market Ave.
Winnipeg, MB R3B 0P4

Cloud Solutions Developer at CEMWorks Inc.

At CEMWorks, we strive to enable accurate electromagnetic simulations for the upcoming smart cities, autonomous self-driving cars, 5G networks, and new generations of computer chip interconnects. This ambitious goal requires us to build a team of the most talented professionals who enjoy the opportunity to work in the challenging and very rewarding environment of large-scale numerical simulations.

For this position, CEMWorks Inc. is seeking to hire a new member of the R&D team to facilitate the development of the cloud simulation solution. The new team member would work on the development of the web interface, pipelining to the simulation software API, and automatic deployment of jobs to the cloud.

Responsibilities

- Develop the necessary infrastructure for cloud deployment of the existing CEMWorks simulation software
- Participate in the development of web-based interface
- Carefully design new components for the existing software architecture and propose improvements for performance, extendibility, and maintainability
- Write well-designed, testable computer code
- Prepare software documentation according to company's standards
- Deploy software, perform and analyze usability and performance

Required Qualifications

- B.Sc. degree in Computer Science, Computer Engineering or Science/IT related field or equivalent software development experience
- Experience in front-end and back-end web development
- Experience developing for cloud environment
- Good knowledge of HTML/JavaScript
- Basic knowledge of Bash or Python
- Confidence in using Linux/Unix operating systems
- The desire to work on cutting-edge techniques for computational physics applied to real-world projects

Preferred Qualifications

- Experience in developing cloud applications for Amazon EC2 cloud
- Familiarity with Docker and basic knowledge of C++
- Knowledge of numerical techniques for computational sciences
- Participation in the development of GUI
- Experience with CAD software

Apply by email to jobs@cemworks.com