

## Position Description: CTO

The Mission Research CTO plays a key role in ensuring the availability, quality and usability of all Mission Research products. Reporting directly to the CEO, and as a member of the company's leadership team, the CTO leads the software development team, interacts closely with product management, QA and support teams.

## Core Responsibilities

The CTO is responsible for the following core functions:

1. Collaborate closely with MR leaders, product management, QA and support teams in developing and realizing the effective, engaging and profitable evolution of MR's products
2. Develop, own and drive the overall development roadmap for all MR products, solicit input and feedback from all stakeholders, and communicate the roadmap and its component parts to relevant participants and stakeholders.
3. Develop, own and drive the implementation of the technical architecture for all MR products, and produce relevant architecture documentation and presentations for both technical and non-technical audiences.
4. Build and lead MR's development team in delivering the roadmap effectively, on time and on budget.
5. Collaborate closely with MR's QA and Support teams to ensure high quality products, a good user experience, and full-time availability of all products to customers.
6. Plan the longer-term technical evolution of MR's products as new technologies emerge and become viable. This will include tracking technology developments, communicating them appropriately to MR leaders, and proposing their inclusion in the MR technology roadmap as appropriate and necessary.
7. Manage MR's IT infrastructure, including outsourced data centers and internal systems, and ensure their uptime and availability.

## Desired Background:

- Minimum of 10 years of relevant experience
- Experience with COTS software development as well as development and management of web applications
- Experience as a Software Architect
- Experience leading team of developers
- Strong communication skills
- Strong team collaboration skills
- Passion for social enterprise - "doing well by doing good" – a core aspect of MR's philosophy

Outstanding candidates will also bring:

- Computer Science degree
- Successful development and deployment of subscription-driven SaaS products

## Technical Knowledge and Skills:

### Programming Languages

- VisualBasic & Visual Basic.Net
- C/C++
- VBScript/JavaScript
- SQL

### Software Technologies

- .Net MVC
- Asp.Net
- Microsoft COM/DCOM/Active-X
- DHTML/HTML
- Windows Installer
- XML/XSLT
- Microsoft XML Parser
- Batch Programming
- Subversion / TortoiseSVN
- MS Access/Jet DB & MS SQL Server 2000/2005/2008

### Technical Skills

- Software Engineering
- System Design and Architecture
- Application Design Concepts
- Technical Documentation
- Project Management
- Testing (manual and automated)