

# Chief Technology Officer

## Overall Role

- To build ongoing technology strategy, vision and product architecture and contribute to the company's business strategy, cognisant of current achievements and existing technology platform.
- To develop existing core competencies, and contribute hands-on to development projects, while providing direction in all technology related issues in support of the business.
- To develop and implement new technology initiatives within the company.

## Responsibilities

### Strategy & Planning

- Lead, in conjunction with the existing technical team, the design and development of the company's strategic technology vision.

### Technology Innovation

- Conduct research to remain up-to-date and knowledgeable wrt industry trends and emerging technologies in our sector
- Analyze and improve upon our technology to maintain a technological and competitive edge within the market.
- Effectively communicate the company's technology vision with the organisation's board, stakeholders, the media and customers.
- Liaise with universities and other companies in the continuous goal of competitive innovation

### Development & Deployment

- Lead the development roadmap by prioritizing current technology initiatives in line with customer demands, and the competitive marketplace
- Contribute to the development of the existing IDE
- Develop business case justifications and cost/benefit analyses for technology initiatives.
- Creatively provide resolution to technical problems in a cost-effective manner.

### Operations

- Implement policies, procedures and standards for project management and reporting in the software development function
- Manage, prioritize, and control development tasks within the project portfolio.
- Develop, track, and control the technical teams wrt product development, customer related development, implementations etc.
- Manage the communication and reporting to funding agencies wrt R&D funding support.
- Supervise recruitment, development, retention, and organization of technical staff.
- Ensure software operation adheres to applicable laws and regulations.
- Lead the patenting of intellectual property, inventions, and business processes.

# Person Description

## Formal Education & Certification

- Minimum: High university degree in the field of computer science.

## Knowledge & Experience

- Minimum 3 years experience directing, or significantly contributing to, strategic technology development in a technically advanced software product company
- Experience in strategic technology planning, execution, and development.
- Excellent knowledge of current technology environments, especially Object Oriented development, Web 2.0, Java, Ajax, digital media and also telecommunications and storage networks,
- Solid understanding of Agile programming methods
- Solid knowledge of current systems architectures especially SOA and SaaS but also enterprise software applications, document management and outsourced systems.
- Proven experience of project management principles and the planning, organisation, and delivery of software projects.
- Significant experience of business processes, management, budgeting, and business operations.
- Demonstrated ability to apply technology solutions to business problems.
- Exposure to IP concepts and other laws and regulations as they relate to technology issues.

## Personal Attributes

- Proven leadership ability.
- Ability to set priorities and manage development teams.
- Excellent written and oral communication skills.
- Excellent interpersonal skills with the ability to interact professionally with a diverse group of clients and staff.
- Strong tactical skills.
- Ability to formulate architectural designs, concepts and roadmaps.
- Ability to articulate such ideas to both technical and non-technical audiences.
- Exceptionally self-motivated and directed.
- Keen attention to detail.
- Superior analytical, evaluative, and problem-solving abilities.
- Exceptional service orientation.
- Ability to motivate in a team-oriented, collaborative environment.
- Must be willing to work overtime at critical periods and be permanently on-call.