

# Senior Software Architect

## Overall Role

- To contribute as a core team member to the design and development of the company's strategic technology products.
- To contribute to the development of new technology initiatives within the company.
- To build solutions that will delight customers.
- To manage and lead junior developers as the company grows.

## Responsibilities

- Develop core technology, including the design/architecture of new solutions and the refactoring and refinement of existing systems
- Work closely with the R&D team to design new product functionality
- Share responsibility and ownership of the core product suite.
- Serve as key architect for many key classes, protocols, and APIs
- Conduct business analysis with customers and analyze, design, coordinate and supervise the development of customised solutions using our core product suite
- Translate system requirements to task specifications and manage and supervise junior programmers
- Innovate and research, and keep the team abreast of all relevant innovations.
- Write proposals and specifications and make presentations to customers or other stakeholders.
- Provide general administrative support to the organisation
- Constantly seek to improve the existing product by evaluating performance considerations / usability / implementation issues including diagnosis and troubleshooting of problem programs, and designing solutions to improve these.
- Seek to constantly improve programmer productivity and software development processes.

## Person Description

### Formal Education & Certification

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

### Knowledge & Experience

- Experience of strategic technology development in a technically advanced software product company
- Excellent knowledge of current technology environments, especially Object Oriented development, Web 2.0, Java, Ajax, digital media and also telecommunications and storage networks,
- Understanding of Agile programming methods
- Knowledge of current systems architectures especially SOA and SaaS, and also enterprise software applications, document management and outsourced systems.
- Experience of project management principles with the proven ability to lead a team, plan, organise and deliver software projects on time to customers delight.
- Exposure to business processes, management, budgeting, and business operations.
- Demonstrated ability to apply technology solutions to business problems.
- Experience of integrating open source technologies in application development

**Required Technical Skills:**

- Proficient in Object Oriented design and development (Java preferably)
- Experience building design scalable, distributed, robust systems
- Solid Relational Database skills (MySQL experience preferably)
- HTML + CSS skills
- UNIX admin skills

**Desired Technical Skills:**

- 5+ years of Java experience
- AJAX experience
- Apache Admin skills
- Experience with other DBMS (Oracle, MS-SQL)
- WebObjects experience
- ImageMagick experience
- Lucene experience (or any other Apache/Jakarta integration experience)
- OS X experience
- XCode, Eclipse or WOLips IDE experience
- Windows Server / IIS experience

**Personal Attributes**

- Effective inter-personal and communication skills with the ability to interact professionally with a diverse group of clients and staff.
- Ability to present to both technical and non-technical audiences
- Ability to solve problems quickly and completely and to identify tasks which require automation and automate them.
- Ability to multi-task and stay organised in a dynamic work environment.
- Experience of leading teams and supervising programmers
- Ability to "think outside the box".
- Ability to set tasks and manage programmers.
- Exceptionally self-motivated and directed.
- Keen attention to detail.
- 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.