

Position Description

Position Title:	Software Engineer – Java specialist (12 month contract)
Reports to:	Senior Software Engineer
Business Group:	Corporate Services
Location:	12-22 Rothschild Ave, Rosebery NSW 2018
Date:	January 2012
Reference Number:	

JOB PURPOSE

The role of the Software Engineer – Java specialist is to assist with the maintenance, support and enhancement of various custom software systems at UNSW Global. The successful applicant will utilise skills across a range of technologies to implement high-quality changes to software systems under the guidance of a Senior Software Engineer and the Software Applications Manager.

ENVIRONMENT

UNSW Global is the not-for-profit international education, training and consulting company of the University of New South Wales (UNSW). Established in 1999, the company is a wholly-owned enterprise of UNSW. The company has a specific brief to support the international initiatives and activities of the University and to provide educational activities in the non-degree market. UNSW Global seeks to leverage and enhance the UNSW brand in all its activities, well beyond the University's national and regional boundaries and borders.

UNSW Global has three core areas of expertise:

- Education and training,
- Educational measurement and assessment, and
- Consultancy services

These activities are currently managed through five Business Units:

- UNSW Foundation Studies
- UNSW Institute of Languages (UNSWIL)
- Educational Assessment Australia
- Unisearch Expert Opinion Services
- UNSW Global Networks & Recruitment

The Business Units are supported by a Corporate Services group with responsibility for new business development, financial management and reporting, human resources management, marketing and communications, IT and facilities management, corporate governance, student support and student welfare.

The company also manages the University's offshore operations in Hong Kong, India, Singapore, Thailand and Vietnam including the student recruitment firm Australian Education Consultancy Limited (AEC) in Hong Kong.

KEY TASKS AND ACCOUNTABILITIES

1. Implementation of high-quality enhancements and changes to various custom software systems using a variety of technologies including Java and Adobe Flex
2. Participate in all stages of the systems development life cycle including inception, elaboration, construction and transition
3. Development of conceptual, logical and physical software designs in collaboration with other members of the Information Technology (IT) team
4. Properly test and assess developed software ahead of release into operational use
5. Development of technical and non-technical system documentation
6. Provide end-user induction and training for select software systems

CONSTRAINTS / AUTHORITY LEVELS

The Software Engineer works within the broad framework of the IT department and the policies of UNSW Global and the University of New South Wales.

The position holds no financial delegations.

CHALLENGES

- Working with a variety of stakeholders, often with different perspectives and priorities
- Time pressured delivery of high-quality results in response to requests from the business
- Development and maintenance of technical knowledge across a variety of complex software systems and technologies
- Effective communication with a variety of stakeholders and peers with both technical and non-technical backgrounds
- Responsibility for delivery of effective results in a changing and dynamic environment.
- Technical leadership of small team development efforts from time to time under the guidance of a Senior Software Engineer.

SELECTION CRITERIA

Essential criteria

1. 3+ years of professional software engineering experience
2. Willingness to learn, take direction and strive for outstanding results
3. Demonstrable ability to implement high-quality software systems using Java, including experience with the following technologies:
 - a. Swing, AWT, and JFC
 - b. Adobe Flex
 - c. Web services and SOA
4. Demonstrable experience with Configuration Management and software development tools including Maven, Ant, Eclipse, CVS and SVN
5. High degree of competence with relational database design and SQL
6. Excellent interpersonal and communication skills
7. Understanding of software design patterns and recognised best practices

Desirable criteria

- Diverse experience developing services based on SOA, SOAP and RestFul
- Experience with SoapUI, Selenium and JMeter testing tools
- Experience in the Education and/or Assessment industries
- Experience with JFX 2.0
- Experience with the design and development of multi-lingual software applications

SALARY RANGE

A remuneration package up to \$A100,000 which includes 9% superannuation, commensurate with qualifications and experience will be negotiate with the successful candidate.

OCCUPATIONAL HEALTH AND SAFETY STATEMENT

All staff are expected to comply with all health and safety policies and procedures of the company and take all reasonable care to ensure actions do not impact on the health and safety of staff and visitors to the company.

EQUITY AND DIVERSITY

All staff and students at UNSW Global are entitled to enjoy an environment that is fair and equitable and free from harassment. In order to achieve this, staff have the following responsibilities:

- foster a working environment that is respectful of workplace diversity; and
- cooperate with UNSW Global's activities relating to compliance with equal opportunity legislation.

Staff with management responsibility must take all reasonable steps to ensure that the work environment is free from discrimination, vilification, and sexual harassment.

CODE OF CONDUCT

UNSW Global is strongly committed to a set of values and behaviour that are key to the enhancement of the working environment for all staff. UNSW Global is committed to:

- the highest ethical standards;
- an environment free from discrimination and harassment; and
- respecting and valuing the diverse communities it serves.

UNSW Global seeks to have staff who:

- behave honestly and with integrity in the course of their employment;
- act with care and diligence in the performance of their duties;
- treat others with respect and courtesy;
- recognise each others worth;
- work and collaborate together to achieve common goals;
- refrain from any form of harassment or intimidation;
- display open and honest communication; and
- seek continuous learning.