



Job Description: NZ

POSITION TITLE: Java Developer

REPORTS TO: Engineering Manager

DATE: August 2017

SCOPE OF THE ROLE

Summary

In this position you will be working in an agile team on the EROAD SaaS application using the latest tools and technologies. You will be very competent in designing and developing software within a SOA and EDA framework using RESTful APIs (preferably Swagger, HATEOS, etc.), Apache Camel, jOOQ, JMS, AMQP, modern unit and integration testing frameworks (e.g. TestNG, Mockito, AssertJ, Citrus, etc.), jQuery, Spring, SQL (preferably also NoSQL) technologies and common open source libraries. Experience with GIS, payments and large scale systems would be a bonus.

You will enjoy working in a team of positive, likeminded motivated people within a self-managed agile environment. You will be happy to be involved in peer reviews to ensure the team is following development best practise and keeping up with the latest technologies.

RESPONSIBILITIES

Architecture

Design and architecture of specific features within the EROAD SaaS application. Key architectural considerations include: system security, data integrity, reliability, testability, sustainability and scalability.

Research

EROAD is highly motivated to continue to use cutting edge development tools and keep up with the latest development processes. As part of this role there will be an ongoing requirement to research, evaluate and recommend:

- Appropriate tool chains
- Improvements to development processes
- Future technologies to pursue.

Agile

Embraces the Agile manifesto

Responsible for analysing work to be carried out, estimates effort and risk associated with all changes.

Provide effective communication to stakeholders, around teams goals and progress throughout the sprint.

Development and Implementation



	<p>Hands-on developer to build, and execute application development tasks.</p> <p>Work closely with others in the development team to assist with ensuring that best practise design and implementation is being followed.</p> <p>Follow programming best practise and coding guidelines, version control, automated build and test processes.</p> <p><u>System Test and Deployment</u> Design of test plans and unit tests to validate subsystems as well as the complete integration of the end to end system.</p> <p>Drive the tuning effort and assist in scalability/performance tests.</p> <p><u>Bug fix and Continuous improvement</u> Continuous monitoring of system performance.</p> <p>As bugs are identified they need to be verified, prioritised and resolved. You will be a key member of the team contributing to this process.</p> <p>Review performance reports and recommend improvements.</p>
COMPETENCIES	<ul style="list-style-type: none">• Able to design and build a high-availability, scalable, efficient application architectures and data models.• Able to generate the required technical design documentation that can be easily understood by others in the development team.• Able to define specific development outcomes.
PERSONAL ATTRIBUTES	<ul style="list-style-type: none">• Self-starter• Decisive• Can-do attitude
REQUIRED EXPERIENCE	<p><u>Essential Skills for this high performing roll</u></p> <ul style="list-style-type: none">• 3+ years' experience as a Java developer• Competent in designing and developing software within a SOA and EDA framework using RESTful APIs (preferably Swagger, HATEOS, etc.), Apache Camel, jOOQ, JMS, AMQP, modern unit and integration testing frameworks (e.g. TestNG, Mockito, AssertJ, Citrus, etc.), jQuery, Spring, SQL (preferably also NoSQL) technologies and common open source libraries.• Experience with Postgres or Oracle• Experience with REST services using JSON and XML• Knowledge of common design patterns and when/how to use them• Appreciation of usability design• Experience in designing to address Non-functional requirements and making sensible design decisions (e.g. security, scalability)• Experience with Service Oriented Architecture and concepts• jQuery, JSP, Servlet and JSTL experience• Web application framework e.g. Spring MVC,• Linux/Unix command line knowledge



- Automated Unit testing design and implementation experience e.g. TestNG, Mockito, AssertJ, Citrus, etc
- Familiarity with web/application servers, ideally Tomcat and Glassfish
- Experience in developing against a version control system (e.g. Git and Github)
- Continuous integration and delivery (e.g. Jenkins, Vagrant, Chef)

Desirable

- Bachelor's degree.
- Experience with large scale GIS, payments and/or transactional systems
- Javascript, HTML5, CSS3, Ajax experience
- Process orchestration / workflow experience (e.g. BPEL)
- Experience in an IaaS environment like AWS to deliver high scale horizontally.
- Experience with Android mobile application development
- Experience with caching, in-memory databases and NOSQL

This Job Description is not intended to be complete or limiting – the role will require a proactive and flexible approach to manage tasks that support a rapid and innovative product development environment.

EROAD is in a “high growth” mode. There will be times when the role will be required to complete tasks outside those mentioned above because this role will have the relevant skills and may have higher availability than other team members.