

# Job Specification

## **Job Title: Java Developer (Senior)**

Looking for a great career opportunity?

redPanda Software is expanding their Retail Division, and in the process of assembling multiple teams for an International client. Successful applicants will get exposure to a wide range of technologies, including mobile and service enabled architectures. The incumbent will also be exposed to enterprise level lean agile development methodologies based on SAFE, Scrum and KANBAN. This exciting opportunity will include 3 months orientation training at the client's premises abroad.

### **OVERALL PURPOSE OF JOB:**

Modifies, develops, tests and implements efficient and cost-effective applications to solve business problems. Participates in the evaluation of application systems, processes and requirements, recommends changes to those systems and maintains them where necessary.

### **KEY RESPONSIBILITIES:**

- Work as part of a project team to develop and test enterprise-ready business applications in a variety of configurations (e.g. web-based, desktop-based, service-based or scheduled processes).
- Produces entire solutions from scratch, or solutions that integrate with third-party applications, or solutions that interact with existing legacy systems. Is aware of and follows industry best-practice when developing applications and can justify design and development decisions based upon industry experience.
- Use programming languages and tools (generally) around the Java platform.
- Work with Business Analysts to identify and specify business requirements and translates these requirements into technical specifications (including Class, Sequence and other UML diagrams).
- Help Database Developers design databases and write efficient and effective database access code.
- Work with QA Analysts to develop testing plans and write the necessary code to automate testing in line with our Test-Driven Development methodology.
- Work with customers and project managers to deliver quality, effective software, in line with our Agile Development process.
- Diagnoses the root causes of systems issues using strong problem solving skills.
- Researches and evaluate potential technical solutions to business problems.

### **Personal Attributes / Character traits required for this job:**

- Strong communication skills, both written and verbal.
- Ability to collaborate well in a multi-disciplined team.
- Confidence when working directly with customers.
- Good judgement and experience of prioritising and working to tight deadlines.
- Ability to learn fast and share knowledge, experience and best practices with team mates
- Willingness to take responsibility and ownership of their work.
- Empathise with customers and communicate at the appropriate level.
- Take a level of strategic vision within their work
- Ability to use imagination to drive innovative solutions

# Job Specification

- Understands and uses their impact within the team to provide leadership to junior staff
- Appreciation of their position within the wider roles & responsibilities of the DPS community
- Ability to work under pressure
- Practical approach to problem solving
- Able to document information and share knowledge with colleagues
- Follows a structured approach to their work
- Understands the importance of self-development
- Personal drive to succeed

## **Education and General Working Experience:**

- Ideally an IT Diploma or related Degree will be an advantage but is not essential
- Proven Java experience of at least 5 - 7 years professional development experience.
- Candidates with more or deeper development experience are welcome to apply.
- Remuneration package will be tailored according to relevant technical experience.
- Development experience in a Scrum based Agile environment will be an advantage
- Exposure to BDD/TDD will be a definite advantage
- Exposure to Enterprise development will be a definite advantage
- Exposure to object-oriented design concepts will be an advantage

## **SUPERVISION RECEIVED**

The incumbent receives direct but not constant supervision from Project Leaders (e.g. Development leads, Project Managers) and departmental management.

## **SUPERVISION EXERCISED**

May assist and train lower level development staff.

## **PLEASE NOTE THE FOLLOWING:**

- **Candidates must be willing to relocate to Cape Town at their own expense if living outside the Western Cape.**
- **Clean criminal record required**
- **Applications will only be considered from RSA Citizens or applicants with permanent resident permits.**

## **Technical skills required:**

The following represents a list of the technologies the incumbent will be required to operate in. Being proficient in a good deal of these technologies will qualify you to apply for this position as knowledge of the complete stack will be an advantage but is not essential.

Skill Set	Skill
Java	Basic JSE API (to v7)
	GUI Development (Swing / SWT)
	Java 5.0 Language Fundamentals
	JDBC

# Job Specification

	Servlets
	JAXP / JAXB
	Logging frameworks (SLF4J, Log4J)
	JMX
	EJB (MDBs)
	JSP & HTML (incl v5.0)
	JSP Custom Tags
	JavaScript / AJAX
	AOP
	Caching mechanisms (ehCache)
<b>Frameworks</b>	Web Frameworks (Struts/JSF,PrimeFaces)
	Spring (Core, Boot, Web, Remoting, Security etc.)
	ORM Concepts and Frameworks (Specifically myBatis)
	WebServices (SOAP, REST)
<b>XML</b>	Core Concepts
	XPATH
	DTD/XSD
	XSL (XSL:FO)
<b>Databases</b>	Core RDBMS Concepts
	Oracle
	DB/2
	MS SQL Server
	Tools (TOAD/Squirrel)
	SQL
	Schema Design
	DBA / Tuning / Performance
	Core NoSQL Concepts
	Mongo DB
<b>Mobile Dev</b>	iOS Development
	Android Development
	Cordova Framework
	Angular.js
<b>App Design</b>	OOA/D
	Design Patterns (GoF)

# Job Specification

	Enterprise Patterns
	Application Architecture
	Technical Architecture
<b>Tools</b>	SSH/Telnet
	FTP
	SCP
	Editors (Vi etc.)
<b>O/S</b>	Windows - Desktop & server
	Linux
<b>App Servers</b>	Tomcat
	Websphere (including Admin)
<b>Messaging /</b>	JMS
<b>Integration</b>	IBM MQ
	Integration Frameworks (Apache Camel)
<b>General Dev.</b>	Eclipse IDE
	Source Control Tools (CVCS & DVCS e.g. Mercurial)
	Unit Testing Concepts (JUnit, Mockito etc.)
	Continuous Integration (C/C / Jenkins)
	Ant / Maven
	Application Profiling, Tuning & Debugging
	Estimating
	Retail Business Domain Knowledge
<b>Scripting</b>	Python / Jython
	Shell Scripting
<b>Process</b>	Agile - SCRUM
	TDD/BDD/Specification-by-Example
	Distributor Source Management Processes
<b>Certifications</b>	Oracle Entry-Level Java Programmer
	Oracle Java Professional Programmer
	Oracle Java Application Developer Expert
	Oracle Java Performance Tuning & Optimization Expert
	Oracle Experienced Java Programmer / Developer