Nigel Hole

**Telephone: 0161 428 6850 (Home); 07765 343 099 (Mobile)**

Email: nigelh@hotmail.com

## PROFESSIONAL PROFILE

A highly qualified and experienced I.T. Consultant specialising in the lifecycle management of complex web-based development projects primarily utilising Java and J2EE technologies. Able to demonstrate an excellent knowledge of project and change management methodology with the ability to ensure that project deliverables are achieved in accordance with budgets and timeframes. A highly effective team player a Java mentor and team leader capable of taking the initiative to ensure that targets and objectives are achieved.

Obtained **Baseline Personnel Security Standard (BPSS) security clearance (2012)**

See my recent IKM results page for the J2EE platform in the appendix.

## EDUCATION AND QUALIFICATIONS

**Professional:** Sun Certified Programme for Java 2

Sun Certified Web Component Developer for Java 2 Platform Enterprise Edition

Sun Certified Developer for Java 2EE Platform

Sun Certified Architect for Java Enterprise 2

**Diploma:** Management Studies

**MSc:** Micro-electronics and Computing Science

**BSc (Joint Hons):** Physics and Computer Science (2:1)

**3 A Levels:** Physics, Pure & Applied Mathematics and Applied Mathematics

**9 O Levels:** Including English and Mathematics

## KEY TECHNICAL SKILLS

**J2EE (back):** Developing Stateless, Statefull Session and entity type EJBs using Weblogic, Websphere, Oracle 9i, Tomcat, JBoss and Glassfish Application Servers. Java Mail, JMS MQ, Tuxedo, JDBC, Apache Axis1 and Axis2 Soap services, IBM’s Web Services and SMS messaging, Spring Framework, Spring MVC, Spring with Hibernate.

**J2EE (front):** Servlets, JSP, Taglibs, Java Server Faces (JSF), AJAX (DWR), Google Web Tookit (GWT), Java script, Sun’s WebStart (distribution push technology), and signed applets, JFreeChart, Cwolf and Tomahawk, AJAX JQuery, Script.Aculo.Us (see *http://script.aculo.us* ). PrimeFaces JSP component suite

**Protocols:** HTTP, HTTPS, SOAP, RPC, JRMP, IIOP, ISO,Restfull

**Mark up Languages:** HTML, XML, DTD, XQuery, XPath, XSLT, SAXON, XALAN

**Databases:** Oracle 8i 9i and PL/SQL, SQL Server, MySWL, Sybase, DB2, Hypersonic, Derby and Transact-SQL stored procedures

**DB Middleware:** Hibernate, TopLink,JPA

**Integration Tools:** Visibroker and Orbix CORBA brokers, RMI, Weblogic Jolt, Tuxedo, JNDI, ActiveX, and WebMethods Integration Server, Web Services(Axis2)

**Security:** WS-Security, Axis2+Rampart, Https,Signed Certificates

**J2EE Frameworks:** AWT, Swing, Bongo, Apache MyFaces JSF, JSP, Sun JSF, Servlets, Java Server Faces,Struts, Struts2, Liferay portal, Websphere portal, SWT, Spring Web Flow 2.

**Java IDEs:** Visual Age, JBuilder, Visual Caf’e Pro, JDeveloper, Websphere Studio Eclipse, Eclipse, MyEclipse, NetBeans

**Repositories:** CVS, VisualAge Java Repository, Rational ClearCase, PVCS, Subvision, SVN,Maven

**Methodologies:** Rational Rose Java UML Toolkit, TogetherJ UML Tool, Websphere Architect

**Java Packages:** Apache Ant, Log4J, Struts, Struts2, Jasper Reporting, JFreeChart, Tomahawk, XDoclets, Velocity, Apache XML SAX and DOM parsers, JUnit, Barbecue (Java barcode generator), Java Mail, Apache Soap,IBM Web Services, Google Web Toolkit (GWT), XALAN (XLST), SAXON (XML/XLST), JempBox – XDP Java Compatible Library,Apache Digester, Smooks, Jersey,Jackson

**Testing**: JUnit, JMeter, (TDD)Cruise Control, Hudson,JIRA, Agile development (Scrum)

**Technical Roles**: An OO evangelist who has over 30 years within the IT experience that includes training, Java mentoring and team leadership roles within many business organisations.

## CAREER SUMMARY

**04/2013-07/2013 Technical Lead, AQA Awarding Body** (<http://www.aqa.org.uk>)

* Employed as a technical lead into AQA’s Data Message project which is involved in the secure transportation of files over the internet using the xbXML Messaging Standard version 3.0 (See http://www.oasis-open.org ).
* Work involved in the collaboration with AQA and a third party company which are implementing a windows client application which manages the transfer of files to a ebXML compliant server. The server being Tomcat7 application server running a Linux operating system.
* Swing (using Eclipse Gui Designer Plugin), Eclipse (Juno), Java JDK 1.7, SAAJ Java package, ebXML Standards ,SOAP, SW\_Security Signature signing, X509 Security certifications, XML, SAX, Prostgre database server.

**01/2012-08/ 2012 Java Developer, Greater Manchester Police** ([www.gmp.police.uk](http://www.gmp.police.uk))

* Employed as a developer to implement several design changes to GMP’s internal portal system called OPUS. OPUS is implemented using a mixture of web frameworks classic Struts, Struts2 and Web MVC on a Web Logic Application server with Oracle 10g database.

OPUS maintains various protocol links to other police systems using SOAP and REST interfaces.

* MyEclipse, *Tomcat 6, Jackson , Oracle PL/SQL,JDBC, Spring JDBC, Spring Security, Hibernate3, Spring Framework , JSTL, Jasper Reports , JUnits, Javascripts, CVS repository, Structs2 and MVC, TOAD, Velocity, JQuery*
* Obtained **Baseline Personnel Security Standard (BPSS) security clearance.**

**06/2011-12/ 2012 Java Developer, AstraZeneca**  ([www.astrazeneca.co.uk](http://www.astrazeneca.co.uk))

* Employed as a developer to design and implement new search features to company’s PharmaConnect internal website. The website is a sophisticated search tool designed for

research teams within the pharmaceutical industry. The tool provides details of any associations between genes, compounds, biological observations, studies documents and articles. The website is serviced by an Oracle database and utilises various protocols to exchange information between third party databases using SOAP, HTTP and Restful links.

Project development was conducted using Agile using Rally management tools for scrum meetings and bug tracking.

*Tomcat 6, Jersey , Jackson, Oracle SQL, XLAN, Velocity, Java Server Faces using Icefaces1.8 together with Tomahawk component libraries, use of Java facelets, Spring Framework ,HttpClient and Maven using m2eclipse plugin.*

**04/2011-06/2011 Java Architect, Life IT** ([www.lifeit.co.uk](file:///C:\Documents%20and%20Settings\nigel\AppData\AppData\Local\Temp\www.lifeit.co.uk))

* Employed as an architect to design a B2B server hub that acts as a broker for incoming requests and outgoing messages. The hub supports a wide range of transport protocols including FTP,SFTP, HTTPS, and JMS. Design solution was based around the Apache Geronimo Server with a Tomcat container and ActiveMQ for JMS. The solution also includes an implemented Geronimo module that serves as an FTP scheduler.

*Apache Geronimo Application Server 2.1, ActiveMQ JMS , Tomcat servlet container, Apache Digester, Saxon XLST, IBM Series 2 DB2 database, Jasper Reporting,,Smooks,Apache Digester, Velocity, DB2 database*

**01/2011-04/2011 Java Consultancy, FreshTL** ([www.freshtl.com](file:///C:\\Documents%20and%20Settings\\nigel\\AppData\\AppData\\Application%20Data\\Microsoft\\Word\\www.freshtl.com))

* Employed to merge FreshTL’s TeamPoint web product with IBM’s LotusLive using Lotus’s HTTP Restful API extensions. This enabled the TeamPoint application to integrate with LotusLive’s single sign-on server based on OAuth authorization protocol for secure web access. This enabled TeamPoint to seamlessly share and distribute files across both systems.

*HTTP Restful API interfaces, Grails on Groovy, Hibernate, MySQL, SpringSource Tool Set 2.5.1, Jasper, iReports,*

**10/2010-12/2010 Part Time Java Consultancy, Life IT** ([www.lifeit.co.uk](http://www.lifeit.co.uk))

* Implemented WS-Security SOAP interface to HMRS’s Excise Movement & Control System (EMCS) - an online system that processes information in respect of all movements of excise duty goods in duty suspension within the European Union (see <http://www.hmrc.gov.uk/emcs/index.htm>). Implementation uses Apache’s Axis2

and Apache Rampart Security module(see <http://axis.apache.org/axis2/java/rampart>)

* Providing part time Java consultancy to enhance an existing EDI (Electronic Data Exchange) system based on OpXML industrial standard exchange of XML documents. Application service is based on Tomcat 6 server using IBM’s DB2 database. The system receives and exchanges purchase and invoice details as XML documents based on the OpXML standard from several clients.
* *Eclipse Helios, Java 5, Apache Digester, Apache Velocity, FTP server, Tomcat 6, Struts 2, SVN,JUnits. JSP, XML, XML schema design XSD, Tomcat server, Apache Digester,Axis2,Apache Rampart, IBM Series 2 DB2 database.*

**05/2010-10/2010 *Java Designer, Developer, Snap-on Business Solutions (Manchester),***

***JCB (*Rocester Staffordshire*).***

* Member of a development assigned to develop JCB’s Vehicle Manual Management Workflow System. Developing the JCB’s Authoring software which is implemented as an Eclipse product that can be downloaded via an Eclipse update site. The product consists of a set of XML based graphical editors and an interface to JCB’s document repository. Users are able to download assigned tasks from a workflow and view/edit vehicle manuals written in several languages. Editors are written using SWT and JFace components and are implemented as Eclipse registered editors.
* *Eclipse Helios SDK, RCP Architecture, XML and XML Schema Design (XSD),XSLT, SWT, JFace, JUnits, Eclispe EMF, SVN repository, JIRA, Hudson*

**09/2009-04/2010 *Java Designer, Developer, Snap-on Business Solutions(Manchester),***

***Ford Technical Centre (Dunton).***

* Part of the Ford Etis development team (see <http://www.etis.ford.com/>) to develop a new suite of vehicle services used for the diagnostic testing of Ford vehicles worldwide. Vehicle services are implemented within the Eclipse Rich Client Platform (RCP) and are driven by vehicle diagnostic details expressed in XML. Designed and implemented a Java Framework that enabled Ford developers to quickly implement various ISO based protocol services for conducting diagnostic tests for both vehicle production and repair. Also responsible for development of the Ford Etis developers web site that introduces site visitors to the various Etis design features, group discussions, forums etc… .Web site developed on a Tomcat 6.0 server using Struts2, CSS. Ford Etis practices an Agile approach to software development.
* *Eclipse Galileo SDK, RCP Architecture, XML and XML Schema Design (XSD), SWT, JUnits, ,ISO vehicle protocols, SVN repository, JIRA, Cruise Control, Tomcat, Struts2, JSP, JSP Tag library,.Spring 2.0 AOP, Spring Web Services*

**06/2009-08/2009 *Contractor, Java Designer, Developer, CopyCatWeb (Manchester)***

* Contracted to develop an Axis2 SOAP web service to support several mobile phone web sites that sells unused mobile phone numbers to their customers that can be associated with their customer’s name, date of birth or company name etc… The web service offers search facilities based on the customer’s entered criteria on over a million numbers. Web sites include Vodafone, O2, T-Mobile and Orange (see <http://www.nameyournumber.com> or <http://o2.nameyournumber.com> for further details) . SOAP Web Service performs phone number searches on a mirrored SQL Server database.
* *NetBeans 6.5, SOAP Axis2, Struts2 ,SQL Server, Windows Server, JUnits, JMeter, JDK 1.6*

**08/2008-05/2009 *Contractor, Java Designer, Developer, Teradyne (Manchester)***

* Member of a team of 6 to design and implement a stand alone J2EE laptop application that enables car mechanics to perform warranty and diagnostic tests on both Jaguar and Land Rover vehicles. The application's rollout involves delivery to all Jaguar and Land Rover franchised garages world wide supporting 15 languages. The application provides an "easy to understand" graphics interface using AJAX (JQuery) deployed on a embedded Jetty application server running a Struts2 and Spring Web Flow 2 frameworks. A sophisticated SOAP based interface is employed to exchange data between a central server repository .All design and implementation is conducted within an Agile development environment.
* *Eclipse 3.2 IDE, Rational Rose UML Studio, Struts2, TomCat 6.0,* *Apache* *SOAP, Apache XML,XALAN XLST Apache, XPath,, JUnits, JDK 1.5, Oracle 10g, Cruise Control, CVS , JSP, JFreeChart, CWolf JSP tag library, and*  Script.Aculo.Us java script library,JQuery (see *http://script.aculo.us/),Agile*

**01/2008-07/2008 *Contractor, Java Designer, Developer, Shop Direct (Liverpool)***

* Appointed to design and implement a software utility that generates data feeds outputs from Littlewoods’ runtime database to several trading affiliates. Data feeds batch generation is controlled through a browser based interface that enables to the User to create/modify and data feed parameters and to control/monitor scheduled batch execution. Product details are extracted from Littlewoods’ Oracle database and saved in XML format using the Betwixt Java package. Product data is then transformed to several formats using XSLT transforms. Data feeds are transported to various affiliate FTP servers. Targeted affiliates being Froogle, Buyat, Kelkoo, NextTag, Shopzilla and others.
* Generation of sales reports by converting generated XDP documents into PDF documents using JempBox open source XMP Java library ( see <http://jempbox.org/> )
* Involved in the enhancements of Shop Direct web sites using Google Web Toolkit (GWT) AJAX

Java package. Web sites received over a million hits a day these being:

[www.littlewoods.com](http://www.littlewoods.com), [www.littlewoodsdirect.com](http://www.littlewoodsdirect.com), [www.additionsdirect.co.uk](http://www.additionsdirect.co.uk), [www.choice.co.uk](http://www.choice.co.uk), [www.kays.com](http://www.kays.com) and many more

* *Eclipse 3.2 IDE, Rational Rose UML Studio, Spring Core Framework, Struts2, TomCat 6.0,* *Google Web Toolkit (GWT), Apache XML, Apache Open, Saxon XSLT and XQuery processor package, Java Common Betwixt, Package, JUnit, JDK 1.5, Oracle 10g*

**01/2007-10/2007 *Contractor, Java Designer, Team Leader, Fujitsu (Crewe)***

* Appointed as a Java Designer/Developer with responsibilities to team lead and mentor a small team -responsible for the design of key server components that is part of the Horizon Retail/Banking service provided to Post Office by Fujitsu Services.
* Horizon is £29.5 million pound development and testing project operating in the UK (HQ in Bracknell and London). The system supports 30,000 online users operating from 15,000 Post Offices. The solution makes extensive use of large scale J2EE technologies using Oracle databases and the counter (Swing application).
* *Eclipse 3.2 IDE, Rational Rose UML Studio, Spring Core Framework, Spring MVC, clustered Interstage Application Server, TomCat 6.0 Servlet container, Java NIO, Java multithreading, Apache XML, Apache Open source, JUnit, JMeter, UML Design reviews, Web Services(Axis),CBE, Lunt, Emma, JDK 1.5*

**10/2006-01/2007 *Contractor, United Utilities***

* Invited back by United Utilities for a 2 months contract to design and implement a monitoring system that validates the consistency of operator inputs into the PIMS web based application.
* The PIMS monitoring system informs operators of mistakes made when entering PIMS related data by issuing emails (Java Mail) to offending Users. The Monitoring system also maintains a web site where PIMS Users can query details of User’s errors and view statistical information displayed using pie charts , XY plots etc…
* *Weblogic Application Server 6.1,TomCat 5.5, Eclipse 3.2 IDE, JSPs, Oracle 10g, JFreeChart, Java JDK 1.5, Spring core Framework Spring MVC, Spring with Hibernate.*

**06/2006-10/2006 *Contractor, Shropshire County Council (SCC)***

* 4 months contract to “kick start” several projects concerned with the replacement of the existing SCC website onto a Websphere portal platform.
* SCC’s intent is to replace the existing website with a portal using Websphere portal 6.0, Java Server Faces and the use of Hibernate to access an Oracle 9i database.
* *Websphere 6.0,Websphere WAS IDE, JSF, Hibernate with Xdoclets and Oracle 9i*

**03/2006-05/2006 *Contractor, Xicon Consultancy***

* 10 week contract to design and implement an extension of an existing portal implemented using Liferay open source portal framework
* *Liferay portal, Tomcat 5.1, Struts, Hibernate, Oracle 9i, JUnit and Eclipse*

**10/2005-02/2006 *Contractor, United Utilities***

* Designing and implementing a monitoring system enabling users to observe and control WebMethods process flows from a browser based interface
* Integrating the Dashboard system with WebMethods existing monitor utility to provide a comprehensive graphical view of process flows and broker queue lengths
* Establishing an alarm condition reporting system utilising SMS messaging
* *JBoss, Tomcat 5, JFreeChart, AJAX, JSP, JSF with Tomahawk components and Eclipse 3.1*

**04/2005-10/2005 *Architect/Designer/Developer, Ford International***

* Working in close conjunction with other members of the team tasked with designing and implementing a J2EE based system to track the movement and deployment of vehicle parts within the Jaguar production line
* Running 65 fat and thin clients and 2 clustered WebSphere application servers under Linux with EJB services implemented on the servers
* Assisting with the development of a replicated 9i Oracle database to manage runtime data
* *Websphere 5.2, Swing, EJBs, JSP, Struts, Jasper, MQ Messaging, Barbecue, J2EE Security Certificates, JDBC and WebStart*

**10/2004-02/2005 *Contractor, Halifax Building Society***

* Invited back By HBOS to design further extensions to the original administration system – see dates below 03/2004 – 04/2004
* *Websphere 5.1, EJBs ,CVS, SQL Server and Transact-SQL stored procedures, Struts*

**07/2004-10/2004 *Contractor, Informed Solutions Ltd***

* Designing and developing components of a website for the London Metropolitan Police Service enabling Officers to insert and geocode crime incidents within the area
* Utilising MapInfo Map Xtreme geo software to implement a Java applet within a web page enabling particular locations to be pinpointed within a viewed street map
* *JBoss, JDeveloper, XML SAX and Oracle 9i*

**05/2004-07/2004 *System Developer, GE Consumer Finance***

* Playing a key role in building a secure SOAP interface around a number of existing application services
* *Websphere 5.1, SOAP, IBM Web Services, JUnit , ANT, CVS and UML Rational Rose*.

**03/2004-04/2004 *System Developer, Halifax Building Society***

* Undertaking a six month contract as part of a four man team to develop an internal web based administration system
* *Websphere 5.1, EJBs ,CVS, SQL Server and Transact-SQL stored procedures, Struts*

**11/2003-03/2004 *System Developer, Morse***

* Building a telecom ATM system enabling clients to pay for traffic congestion charges via mobile phone
* *Websphere 5.0, JSP, Servlets, Oracle/JDBC, PL/SQL, UML Modelling, XML messaging, SOAP Services using Axis, SMS messaging, DES3 digital signatures, Ant and CVS*

**08/2003-11/2003 *System Architect/Java Developer, Inland Revenue/EDS***

* Designing and implementing a web based server using Weblogic 7 application server to act as the central source of HTML help pages for the Inland Revenues DOT.F portal desk top service
* *Weblogic 7, SQL Server, EJBs, servlets, JSP and struts*

**03/2002-07/2003 *System Architect, ADIS International Ltd***

* Supervising the development of a J2EE web application to provide customers with details of medical journals using a centralised database
* *Oracle 9i Application Server, JDeveloper, SOAP (Glue package), Oracle 9i with TopLink, Swing WebStart and signed applets.*

**09/2001-03/2002 *Contractor, Yorkshire Building Society***

* Actively involved in bringing the commercial website to a live status including resolving reported defects, recommending design alternatives and liaising with third party providers
* Managing software change process and ensuring that YBS staff are fully trained in all aspects of software maintenance
* *HP Unix, NT4, Weblogic (clustered),JSP,EJB, Tuxedo and JNDI*

**06/1999-09/2001 *System Architect/Consultant, Hewlett Packard Consulting***

* Leading the HP team tasked with designing and implementing Java J2EE related projects
* *HP Unix, Swing, Java Applets, XML, ActiveX and JNDI*

**06/1998-06/1999 *Senior Consultant/Team Leader, NettGain Solution Ltd (MandoForms)***

**04/1997-06/1999 *Senior Consultant/Course Tutor, Valtech UK Ltd***

**01/1994-04/1997 *Objectivity Consultant/Course Tutor, Objectivity UK***

**01/1992-01/1994 *Senior OO Specialist, ICL Financial Services Ltd***

**07/1993-12/1993 *Software Consultant (Contractor), Siemens Measurements Ltd***

**05/1991-07/1993 *UNIX Consultant/Team Leader, Insider Technologies Ltd***

**1981-1991 *Principal Software Engineer, GenRad Automotive Design***

**1978-1982 *Programmer, Software Sciences Ltd***

**1976-1978 *Programmer, British Aerospace Guided Weapons Division***

## SUN’s CERTIFICATION DETAILS

Sun’s certificates can be shown at interview or can be confirmed by emailed from Sun’s Education Centre upon request.

## PERSONAL DETAILS

# Driving Licence: Full/Clean

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**Interests include:** Nigel enjoys squash, badminton, motor bikes, hill soaring and paragliding. Nigel is also a member of Cheshire ramblers club.

**RECOMMENDATIONS**

Please view my professional profile together with recommendations from past clients on [www.linkedin.com](http://www.linkedin.com) website. The following are a sample of these:

“Nigel played a major role in the development of an Enterprise Java on-line banking system for our client. His in-depth experience of J2EE and related areas combined with his rigorous approach were key factors in the success of the implementation.” June 19, 2011

“Nigel has a detailed knowledge of development practices, patterns and frameworks. He can draw on a wealth of experience to deliver creative solutions to complex engineering problems. Importantly, Nigel is not afraid to challenge the status quo - during his time here he helped us expose and address weakness in our processes and architecture.” September 1, 2010

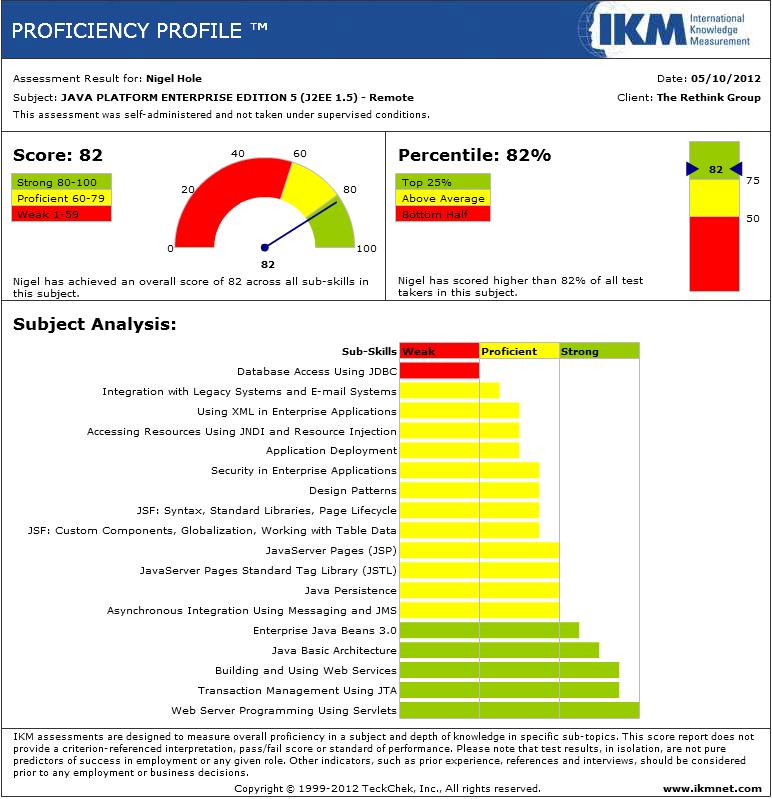
“Nigel possesses a tremendous amount of knowledge of all aspects of software development in general and of Java in particular. This allows him to deliver projects in a short time without compromising the quality of work. Nigel is the kind of engineer who makes a real difference in every project he participates in.” August 24, 2010

“Nigel helped us to achieve a seemingly impossible deadline. He joined the team to provide us with specialist skills and knowledge that we did not have in-house. He understood our requirements and became productive almost immediately. The code he produced was of a consistently high standard, both easy to maintain and well documented.” June 28, 2011

“Nigel worked with FreshTL during a particularly intense development project and was a key contributor to delivering our product on time. Put simply, we could not have made the deadline without his expertise and willingness to go the extra mile.” June 15, 2011

**RECENT EXAMINATION RESULTS**

**The following is my results page of the infamous IKM online test for the J2EE platform.**

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**REFERENCES ARE AVAILABLE ON REQUEST**