SHAJID ISSA
BSc (Hons 2.1) Computer Science
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Sex	Male	**Birth**	26 July 1977
Nationality	British	**Place of Birth**	Leicester, UK
Telephone	07703 332511	**Martial Status**	Married
Availability	Sept 16	**Driving Licence**	Full

Linkedin Profile : http://www.linkedin.com/in/sajissa

I am a flexible and committed software developer, eager to learn new skills and face new challenges. I am passionate about what I do and the solutions I architect. I am an enthusiastic team player and strive to contribute best practice, high quality approaches wherever possible. I have a strong focus on web oriented development that is supported by a breadth of experience including B2B, e-commerce, GUI development, systems integration, Web Services and hi-tech research. I thrive on real deadlines and commercial pressures, and enjoy getting involved at any part of the lifecycle of a solution.

Skills

O/S	Windows, Red Hat Linux, Sun Solaris, UNIX, AIX, Ubuntu, SUSE
Languages	Java, C++, .PHP, NET, Visual Basic, JavaScript, PL/SQL, Unix Shell Script, Groovy, Ruby on Rails
Technologies	JSP, Servlets, JSF, JSTL, EJB, RMI, XML, XSL, CSS, Ant, Maven, Swing, Multithreading, Axis, Axis 2, Jasper Reports, Oracle Forms, Oracle Reports, JDBC
JavaScript	Jquery, Scriptaculous, DOJO, GWT, AngularJS
ETL	Talend, Oracle Warehouse Builder, FME
Software IDE	Eclipse, Netbeans, Sun Creator 2, JDeveloper, Adobe Flex, OpenESB, Soap UI
GIS	Google Maps, RMX, Mapinfo, MapXtreme, ESRI, iSmart
Utilities	Toad, LiveLink, pgAdmin, MySQL workbench, Putty, Cygwin
Methods	MVC, Prototyping, Agile, TDD, Pair Programming, Scrum, Waterfall
Frameworks	Struts, Struts 2, Spring 2/3
ORM	Hibernate 3, JPA
Database	MS Access, Oracle DB 8 9i 10g, Oracle Spatial, MySQL, Microsoft SQL, DB2, Postgres
App Servers	Tomcat, Oracle OC4J, Weblogic, JBoss 4-7
Web Services	SOAP, JAX-RPC, Restful Jersey
Testing	Log4j, JUnit, HttpUnit, LoadRunner, Selenium
Source Control	Subversion, Tortoise CVS, Visual source safe, BitBucket, Git
Cont Integration	CruiseControl, Hudson, Jenkins
Oracle	e-business suite, HR, Payroll, CRM, Business Objects
Cloud	Microsoft Azure, Amazon WS, VM Ware, vCloud Director

Work Experience

Oct 2011 – Mar 2016   **Java Integration Tech Lead – Consultant – Glenfield Hospital , Royal Infirmary University of Leicester, University Hospitals Leicester , Cardiovascular BRU, Respiratory BRU, Cancer UK Biobank, Genomics England**

- Numerous contracts as Java Integration Tech Lead within Cardiovascular and Respiratory Biomedical Research Units based at the Glenfield Hospital in the University Hospitals Leicester NHS Trust. Member of BRISSkit team – (Biomedical Research Infrastructure Software Service kit) (http://www.brisskit.le.ac.uk/) funded by HEFCE (Higher Education Funding Council for England) and JISC (Joint Information Systems Committee)
- Objective of BRISSkit is to configure and integrate an open source stack of software applications **i2b2** (research data platform), **OpenSpecimen** (specimen management), **CiviCRM** (study and recruitment management), **RedCap** (patient questionnaire tool) and to resell packages to other Biomedical Research Units in the UK.
- Brisskit is a SAAS from which medical institutes can pick and choose application to assist with their research. It manages all aspects of clinical studies covering patient information and all supplementary data. It allows researchers to perform analysis on a large poolset of anonymised data to create cohorts of patients for research purposes.
- Fine-tuned, customised and developed new functionality on all applications in the open source software stack.

- Developed one-click bash scripts to provision each of the applications on Leicester Universities LAMP servers, UHL N3 VMWare vCloud servers and cloud providers Eduserve, Amazon Web Services and Microsft Azure Cloud.
- Further developed provision scripts with Maven, Git and Puppet management. Developed online provisioning portal using Amazon Web Services API and Azure API.
- Each of the applications in the open source software stack consisted of various technologies, these being Java core classes, JSTL, Struts, Spring, Hibernate, Jersey REST, PHP. Client side technologies, HTML 5, JQuery, Bootstrap, AngularJS. Application servers Jboss 5 and 7, Apache, Apache Tomcat. Databases Microsoft SQL Server, MYSQL 5+, Postgres 9.3
- Led a team of 4 technical developers. Worked closely with Medical colleagues to define requirements and specifications.
- Enhancements and new developments utilised agile techniques and 2 weekly sprints. Agile tools used Atlassian JIRA, Atlassian BitBucket and the slack platform for team communication.
- Used the Junit Testing Framework to test Java code. Prepared detailed test plans and maintenance procedures. Defined test scripts. Identified test cases, evaluation criteria, designed test data and carried out test plans.
- All documentation recorded on JIRA and MediaWiki.
- Setup Nexus maven repository.
- Development tools utilised were Eclipse 3.2.0 IDE. Design was based using UML and agile principles.
- Integrated web services with NHS spine and EPR systems.
- Utilised a number of restful API's and HL7 feeds.
- Developed business components using Jersey restful web service APIs and OpenESB BPEL SOAP.
- Exported and cleansed large raw data to and from Microsoft SQL Server.
- Attended i2b2 AUG 2012 at Harvard University, Massachusetts, USA, Met partners in New York, USA.
- Attended i2b2 European AUG 2014 in Nuremburg, Germany.
- Attended OpenSpecimen AUG 2014 in Missouri, USA.
- Worked closely with partners to develop open source software.
- Attended NHS Hacks and led Brisskit Hackathons.
- Worked with numerous customers, Birmingham Cancer Institute, University College of London, Loughborough Diet Lifestyle Physical Activity to setup their instances of the BRISSkit software stack.
- Had extensive contact with end users / customers, development co-ordinators and software suppliers.
- Made developers and management aware of latest Java and Web technologies.

Sept 2009 – Oct 2011   Java/GIS/Oracle Consultant – <u>Leicestershire County Council</u>

- Involved in exporting data for 'Go Live' planning system Atrium, scheduled future exports.
- Enhanced and further developed modules for the war memorials site for Leicestershire . (http://warmemorials.leics.gov.uk)
- Developed numerous Web 2.0 rich Internet applications using Java, JSP, JSF, Hibernate, Struts, Spring, Ajax, Oracle DB, MySQL DB and Oracle Spatial. Created Web 2.0 rich Internet apps which extensively relied on Ajax principles, Javascript, Jquery, PL/SQL, DHTML, XML, XSLT and DOM.
- Responsibilities included lead Java programmer and architect; lead a team of 4 Java developers.
- Developed an admin console for an existing Java GIS mapping system called Ptolemy. User base was 500 in number. Technologies utilised Java, Struts 2, Jquery, Java Applets,Unix shell scripts, cron jobs and rsyn**c**.
- Assigned the role of investigating LCC's corporate mapping solution, had extensive meeting with 3rd party software houses.
- Developed war memorials site for Leicestershire . (http://warmemorials.leics.gov.uk)
- Developed JAM (Joint Asset Management) website, which allowed all county wide partners to track which properties belong to them. (http://jam.leics.gov.uk)
- Developed LEO (Leicestershire Environment Online), Primarily used by members of the public to identify Ecological, Geological and Heritage sites around Leicester, (http://leo.leics.gov.uk)
- Involved in exporting data for new planning system called Atrium, migrated data from multiple sources (Excel, CVS, MS Access, Oracle) using Java multithreaded exports.
- Developed a number of Restful web services using Jersey to share war memorials data and geographical information.
- Extended Java based Staff Diary system. Customised and created Jasper Reports
- Developed extensive PLSQL routines for all webapps.
- Development life cycle was structured and attention was put into designing the applications appropriately. Techniques and methodologies utilised included drawing use case diagrams and transition diagrams. Applications were built using MVC model methodology, code was designed to fit with 'java design patterns' and 'J2EE blueprints'. Also architecturally object abstraction was significant.
- All coding was developed following the Java coding standards document, to which I contributed myself. Source control tools used were Tortoise CVS and Subversion
- Documented all aspects of project life cycle, from requirements to final deployment. Ensured quality control. Worked in 3 different teams with many colleagues, delegated work to other colleagues to ensure deadlines were met.

May 2009 – Aug 2009   Java/GIS Consultant – <u>Dotted Eyes</u>

- Redeveloping modules on flagship product Response MX.
- Developing applications using Eclipse, JSP, Java 1.5, Javascript, Jquery, Struts 2, Hibernate, JPA, Ant, Maven
- Utilising agile and prototyping / iterative methodologies. Exposed to Adobe Flex 3 applications.
- Re-performing analysis and incorporating best design and coding practices, documenting processes and class interactions.

April 2005 – April 2009   Java/GIS/Oracle e-Business Consultant – <u>Leicestershire County Council</u>

- Developed web based Graphical Information Systems (GIS) Mapping applications. Interfaced with latest mapping products: MapInfo; Java MapXtreme 4.8.1; Google Maps.
- Main Java development tools utilised were various flavours of Eclipse, Sun Java Studio Creator 1 and 2, JDeveloper OA Extensions and NetBeans.
- Solid background and understanding in OO analysis & design, UML; created use cases scenarios, ER and class diagrams.
- Introduced and advocated Agile methods to team members and developed projects using agile principles.
- Created automated testing frameworks using Selenium for Java.
- Developed and established test driven development using HttpUnit, JUnit and Log4j.
- Deployed applications on Windows, Solaris 6, Red Hat, Fedora Core on the Oracle 10g AS and Apache Tomcat. Involved in configuring Apache Tomat on RedHat and Fedora Core.
- Constructed large scale ETL spatial transitions using FME(Feature Manipulation Engine).
- Developed BPEL modules for CRM module of E-Business suite using Eclipse & JDeveloper. Developed Web Services to pass data to back office systems.
- Involved in councils 'Customer First' multi-million project to upgrade to Oracles e-Business Suite release 12. Involved in implementing and integrating a GIS solution with the CRM module of Oracle e-Business.
- Developed CRM / GIS webapp which allows call centre users to search for addresses and pinpoints all county street lights and displays all county footpaths. Technologies utilised Java, Google Maps, Google API, Ajax, Javascript, DOM, XML, XSLT, CSS and Oracle Spatial, PL/SQL procedures.
- Implemented new and extended existing web forms in E-Business using JDeveloper OA Framework.
- Implemented Personalsations to Oracle HTML forms and Oracle web forms using Oracles own Personalistion methods and PL/SQL, customising the custom.pll library.
- Setup NLPG (National Land and Street Gazetteer) on Oracle 10g database compromising of 1.5 million records, optimised performance measures, set up Oracle Spatial tables using GIS compliant mapping data.
- Developed County Planning Application/Decision web site (http://www.leics.gov.uk/eplanning_searchform.htm), to enable members of the public to view planning applications details via maps and associated data.
- In house development compromised of developing a number of web application, ranging from converting Oracle forms to sophisticated Web 2.0 rich Internet applications. An example of a project was developing an address search module allowing county staff to find a particular address and display it on a map.
- Developed Google maps like system for the council. An evolving prototype can be viewed at Quick Map

Jan 2005 – April 2005   Java Consultant – <u>AAH Pharmaceuticals</u>
- Involved in developing modules for AAH's 3 main web apps; Supplier Point, AAH Point and Medecator.
- Deployment architecture consists of Oracle's OC4J J2EE container, Apache Jakarta Tomcat 4.1.31 Servlet Container, Oracle 9i database and Ingres R3 database.
- Introduced, designed and developed testing frameworks using HttpUnit. JUnit and Log4j. Also prepared detailed test plans.
- Involved in UAT (User Acceptance Testing). Involved in fixing bugs ranging from low to critical.

Aug 2002 – Dec 2004   Java Consultant – <u>Leicestershire County Council</u>
- Developed modules for a web based *Highways Maintenance*, *Bridges & Structures* and *Waste Management* System. Using Oracle 10g, PL/SQL, SQL, DML, Stored Procedures.
- Developed PJCs to upload/ download information to and from Excel and Microsoft office using Jacob, an open source utility.
- Developed Servlet 2.3, JSP 2.0 Applications using Struts, JSTL (JavaServer Standard Tag Library), Custom Tags and Ant compilation/deployment. Other technologies utilised HTML, DHTML, XSL, JavaScript.
- Developed a JSP client web application for the Magnet project to interface with an existing GIS (Graphical Information System) Web Service, which was written in .net and asp. The Web Service was based on the SOAP / XML-RPC Protocol. Wrapped existing Web Services using apache Axis utilities.

Sept 2001 – Jul 2002   Analyst Programmer – <u>Habtech</u>
- Developed a web based *Practice Management* system, including time recording, resource and project billing, client invoicing and management reporting. Developed modules to extract data onto PDAs and mobiles phones.

Feb 2001 – August 2001   **Analyst Programmer , <u>Bynx Europe</u>**

- Developed large scale Internet based systems using J2EE technologies for commercial blue chip organisations including *General Electric* and *BT Fleet*. Developed an on-line car quotation system for industry leading fleet car leasing organisations.

Oct 1999 – Dec 2000   **Software Engineer, <u>DERA, MOD</u>, Malvern**

- Employed by the JAVA centre within the Software Engineering Centre (SEC).
- Developed applications using Sun Microsystems JAVA 2 SDK v1.2.2 and v1.3 on Windows NT.

Education & Qualifications

1996-1999   **Leicester University**, **BSc Hons. Computer Science**   **(Obtained 2:1)**

References available on Request.
For an extended CV and training courses attended visit http://www.h2ss.co.uk/