



RENATO BACELAR DA SILVEIRA

Senior Java Developer



BRIEF SKILL SUMMARY

(SINCE 2003)

J2SE 1.3 - 1.10	Spring, SpringBoot, SpringBatch
Tomcat 6.x, 7.x	Hibernate 2, 3
MySQL, Postgress	Apache Cassandra 1.1
Apache Camel	Maven 2, 3
Ant 1.8	OOD, DDD, TDD, Scrum
jUnit 4	Servlets, Jsp, Gsp, Jsf, GWT
Swing, SWT	SOAP, WSDL, XML-RPC
JAX-WS, JAX-RPC	JEE6, EJB, CDI
Eclipse, Netbeans, IntelliJ	CVS, SVN, GIT
*Skills I have regardless of being applied in a project.	



BRIEF EMPLOYMENT HISTORY

(PERIOD)

Project "Flow Back" / Water Conservation	Dec 2018 - Nov 2019
Helios ITS	Nov 2017 - Jul 2018
CompuGroup Medical	Feb 2017 - Aug 2017
Delloite Digital	Oct 2016 - Feb 2017
Fluidity Solutions	Apr 2016 - Oct 2016
Lava Lamp	Aug 2015 - Apr 2016
Perago FSE	Apr 2015 - May 2015
G-Team (devFactory) via oDesk	207 Hours
International Colleges Group (intec Damelin)	Dec 2013 - Jun 2014
Sanlam SPF	Jun 2013 - Aug 2013
Paygate	Nov 2012 - Feb 2013
Red Panda Software	Jun 2012 - Aug 2012
Red-i	Apr 2012 - May 2012
Indaba Mobile	Mar 2011 - Feb 2012
Agility Global Health Solutions	Oct 2010 - Feb 2011
Dimension Data Application Solutions	Apr 2010 - Nov 2010
Mobilitrax	Aug 2008 - Dec 2009



PROFICIENCY

5 - Excelent
1 - Poor

JAVA, SPRING	152, 41 MONTHS	4, 3
JAVASCRIPT, ANGULAR	36, 8 MONTHS	3, 2
LINUX, SHELL SCR.	99 MONTHS	4, 1
HTML, CSS	96 MONTHS	4, 1
MYSQL, POSTGRES	62, 16 MONTHS	4, 3
DDD, TDD, DDD	133, 6, 12 MONTHS	4, 2, 2
SVN, GIT	72, 41 MONTHS	3, 3
SCRUM / AGILE	51 MONTHS	3
WEB : JQUERY (+MOBILE)	6 MONTHS	2



ABOUT ME

I have focused over the past ten(+) years on developing back-end code because it was always my desire to work with systems integration. I believe in the tools and architecture that were implemented, them being mostly open source, but reliable and robust, with good community support. A good thing I always keep in mind is that software is not eternal but can be modified over time. Good software is one where changes are possible, without major restructure. I enjoy working with legacy software, because it implies good coding standards, but am an aficionado on cutting edge technology. I offload on my weekends, and take good walks in nature. I enjoy living at the coast, long drives, and a good meal. Travelling is always in the works, and I strive for it. I have a knack for languages, and I am building my Italian, and working on learning Japanese.



LANGUAGES

Home Language : Portuguese (Native)
 Second Language : English (Fluent)
 Other Languages :
 1) Spanish (Basic Speech)
 2) Italian (Beginner)
 3) Japanese (Beginner)
 4) Afrikaans (Understand)



CONTACT

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BIO

Location : Cape Town, South Africa
 Marital Status : Single
 Health : Excellent
 Age : 41
 Tertiary Education : Cape Technikon / CPUT (2003)
 School Matriculated : Pinelands High School (1996)



EXTENSIVE WORK EXPERIENCE



Company

PROJECT "FLOW BACK" / WATER CONSERVATION (PRIVATE)



Duty

Senior Java Developer / System Engineer



Reason for leaving

Lined out duties complete



Duration

December 2018 - Present



Activities

- Test and implementation of sensors (many trial & error hours, physical IoT circuit prototype construction)
 - DHT-22 within ceramic funnel, for temperature and humidity readings.
 - Soil moisture modules and bespoke moisture sensors, capture water in soil fluctuation.
 - Light sensor, measure daylight and shade on strategic locations, measure plant daylight.
- Rapsberi-PI installs, and configs (Ubuntu MATE, Java 8)
 - Use R-Pi 3 to host services (spring, camel, java)
 - Conduct measurements with procedures (humidity averages, daylight factors, moisture factors) - measurements later inserted in MySQL database for reporting.
 - R-Pi connectivity via wifi and bluetooth in many different locations.
 - Pump Operation module - switch water pump on/off when margins for irrigation met.
- Apache Camel and Tomcat to support data transfer, processing and sorting; to create meaningful data reports on humidity and moisture readings.
- Collect soil type data with GPS location, for irrigation consideration, as soil is an indicator of water containment, and utilization.
- This project is intended to use computer systems, with IoT, Google Earth Engine Api, to assist to decrease water waste through irrigation systems. Why do we care? Less waste = higher future yields in dry areas.
- Use of home-brewed Google Earth Engine Api libraries, which bridges Python libraries, to send and receive Earth Engine Data for comparison to our local readings. About 15 distinct daily readings.
There were other non-generic activities I am not allowed to disclose, but involved further IoT work.
- HEROKU provided studies for potential cloud deployment.



Achievements

- **Aspects** of water conservation observed, as ~14% less pump hours were measured, compared to previous applications, for certain plant scenarios.
- Improved soil moisture in certain locations, after daytime temperature and air humidity readings provided water volume checks.
- Implementation of Google Earth Engine API helped predict area temperatures, and ground readings proved cloud data to be correct by over 60%.

TECHNOLOGY STACK

JAVA 10
CAMEL
SPRINGBOOT
HEROKU



IOT
ARDUINO
ZIGBEE
BLUETOOTH



WEB &
MOBILE
JQUERY



DATABASE
MYSQL
HIBERNATE



Google
EARTH
ENGINE API



Company

HELIOS ITS



Duty

Senior Java Developer



Reason for leaving

Resignation 1 month pending - work complete. Not wasting further time with unrelated tasks.



Duration

November 2017 - July 2018



Activities

- Daily SCRUM standups, and weekly Agile ceremonies.
- Wrote a Password Encryption module for Wild-fly 8 Server.
- Enhanced legacy Authorization system for claims.
- Worked on Support calls, performing data fixes on company data.
- Assisted in configuring services in Wild-fly 12 Server.



Achievements

TECHNOLOGY STACK

JAVA 6-8
WILD-FLY 8
STRUTS 1



AES CRYPTO
SHABIR
SECRET
SHARE



JEE6
JSP
JAVASCRIPT



DATABASE
ORACLE 11g
SQL



- Wild-fly configuration files no longer need to contain plain text password, increasing the security of servers, by means of secret sharing, using Shabir Secret Share. First developer to achieve this with no previous attempts.
- Successfully configure projects in Wild-fly 12, after many previous attempts from others. Projects now able to be migrated from version 8 of Wild-fly, to version 12.
- Data for insurance claims correctly passed to auditing authorities for processing after continuous data fixes.



Company **COMPUGROUP MEDICAL**



Duty Senior Java Developer



Reason for leaving Resignation - Bespoke work focus turned to different technologies as previously required.



Duration February 2017 - August 2017



Activities

- Daily SCRUM standups, and weekly Agile ceremonies.
- Developing Claim Switch Wrappers.
- Working with New Inhouse Bespoke Technology Framework (G3) to build web interfaces using Angular 4.
- Performing code analysis on current legacy systems.



Achievements

- Analysis identified application authentication issues on the web front end, where certain browsers were concerned. Due to software product being bespoke and multi-national, this information was propagated via offshore channels.
- Analysis of system also brought about answers to Database issues, as certain dependencies could now clearly be abstracted with the use of JPA.
- Assisted with Thick Swing Client improvement, by successfully implementing alternating product logos in medication maintenance screens. Logos of medication are important to pharmacists and doctors for current patient script dispensation.
- Code fixes allowed former broken/frozen modules to function as before, as previous developers stashed changes until solutions became available. In this scenario, all possible fixes for stashed features were released, as industry information became available.

TECHNOLOGY STACK

JAVA 8



G3-APP
BESPOKE



TOMCAT
JSP
JAVASCRIPT
ANGULAR



Company **DELOITTE DIGITAL**



Duty Senior Java Developer



Reason for leaving Contract End



Duration October 2016 - February 2017



Activities

- Daily SCRUM standups, and weekly Agile ceremonies.
- Working with Xplan as flexible data storage, creating necessary data structure for Web Front End.
- Working with the IBM AIM Structure Model, to conform to Insurance Industry Standards.
- Guiding junior developers with development so to complete assigned tasks
- Advising on technology used in order to achieve desired goals.



Achievements

- **Transformation project** which was delayed by a factor of 2 years, due to huge red tape with IBM could now:
 - 1) Have developers of multiple modalities assist with transformation, with the introductions of new Java Modules, which facilitated the separation of concerns between the new Angular Front End, and new Java

TECHNOLOGY STACK

JAVA 8
SPRINGBOOT



XPLAN
JSON



IBM AIM



DATABASE
MYSQL



Back-end Stack.

2) Teams could choose how to implement the suggested client application, once separation of concerns became accepted, as former front end client was part of an expensive proprietary platform, with little flexibility.

- First to introduce “in-team DevOps” to separate Agile teams from monolithic scheduled deployments. Teams now could deploy to team servers, and have immediate results, before weekly deployments by client company, which comprises of an 100 year old insurance company, with a lot of red-tape.

- Old Spring Boot application size reduced by a huge factor of about 80%, as previous strategy could not manage dependencies well, and artefacts would end up being as large as 500 Meg in size.

- Due to red-tape, it was not deemed fit to have developer laptops access Microsoft Cloud servers, but with some persistent study, it was possible for me to have the cloud incumbents finally have laptops authorised for the Microsoft Cloud. Previous to that, the suggestion was killed 2 years before by in-house analysts, for security concerns which had too wide of an effect.



Company FLUIDITY SOLUTIONS



Duty Senior Java Developer / Consultant



Reason for leaving Contract End



Duration April 2016 – October 2016



Activities

- Consultation for **Open Collab**: Support of Student Systems, using Struts 1 framework.
- Consultation for **RedStor**: Working with backup and recovery of systems.



Achievements

- **Redstor** is a backup facility company, where they provide data security for institutions around the world such as schools, companies, hospitals, and others. With the advent of **Ransomware**, I suggested they UTILISE their module which created laptop and PC backups, to be ready to restore in the incident of such Ransomware attack. The company created the Ransomware department, and expanded its reach and client base.

TECHNOLOGY STACK

JAVA 8
STRUTS1
SPRING



JAVA
NATIVE



SWING



DATABASE
MYSQL



Company LAVA LAMP



Duty Senior Java Developer



Reason for leaving Company Split – left with one of the owners.



Duration August 2015 – April 2016



Activities

- Oversee development of services for integration of internal systems with third parties
- Code review of current software
- Implement requirements for financial card-less transactions for e-commerce purposes



Achievements

- Implemented modules for VISA which included their brand new authentication process called “3D-Secure”. A first for most card transaction companies at the time in South Africa. These modules expanded customer reach and increased transaction volumes, resulting in more income.

- Identified and documented transaction faults with Postilion, where the

TECHNOLOGY STACK

JAVA 7



SOAP-RPC



POSTILION



process was being used incorrectly, improving reporting and transaction safety, by avoiding common rollbacks, and keeping a good card-holder experience.

- Improved In-house API testing by introducing a series of CURL scripts, which replaced writing small Java programs to achieve the same. CURL scripts were fired via a CRON batch job, and gave new speed to DevOps testing due to fast feedback.



Company PERAGO FSE



Duty Senior Java Developer



Reason for leaving Resignation - unfortunate turn of events.



Duration April 2015 - June 2015



Activities

- Technical design of enterprise services, and workflow, for financial systems
- Implement JEE code for backend as well as front end
- Implementation of system modules offered by a library of predefined code structures
- Liaise with Business analysts for course of action



Achievements

- Was part of the team sent to **Milan**, Italy, to implement their new **RTGS** (Real Time Gross Settlement) system. This system opened new banking possibilities for South Africa, and other foreign countries such as Russia.
- Ate all the Italian food a soul could consume. No Regrets!

TECHNOLOGY STACK

JAVA 8
IBM
WEBSHERE



JEE5
JSF



RTGS



DATABASE
MYSQL



Company GTEAM (DEVFACTORY) VIA ODESK - AUREA



Duty Java Architect Role



Reason for leaving Contract End



Duration 207 Hours



Activities

- Architect integration of bespoke applications with existing backend processes and services
- Improve bespoke application performance
- Provide technical expertise to developer work force
- Implement Spring services
- Implement Application launch with Java Web Start, for specific java app.
- Manage development team
- Liaise with project stakeholders



Achievements

- The custom software we built had to be constantly downloaded, and therefore was cumbersome to test at times. I re-factored the libraries, and implemented a WebStart launcher, which reduced downloads to just the modified libraries. This improved the [user acceptance] tests processes
- Although there were no real big improvements, it was observable that the new iteration for the team we belonged to, worked efficiently after some architectural modifications were put into place. Our testing and delivery were streamlined, and saw better performance statistics being reported with regards to CI and CD.

TECHNOLOGY STACK

JAVA 7
WEBSTART



JAVA
NATIVE





Company [ICG] INTERNATIONAL COLLEGES GROUP – INTEC & DAMELIN



Duty Senior Java Developer



Reason for leaving Contract End



Duration December 2013 – June 2014



Activities

- Support role of Intec's legacy JEE system. Improve system performance, observe database status throughout daily operations, as well as perform backups.
- Introduce new features on legacy mailing systems. Mailing system now can cope with larger mail volumes through Apache Camel routing capabilities.
- Integrate new business rules into software, groom feature backlog, fix bugs, and manage junior developers. Business analysts have constant requests for system improvements which became specifications for me to implement. Usually the enterprise system is augmented with new client software features, new service functionality from the backlog as well as fresh specs from analysts. Improve Swing Client.
- Intec's Swing client is in constant need of feature upgrades, and also has an extensive list of backlog features. My duty was to parcel out features to myself and to other junior developers. Features include data management of processes like a student registration module, or a student course package shipment management, or such as a store printing of modules manager. This piece of software is also in legacy status and I introduced new code constructs to upgrade and to enhance performance of code and processes where needed.



Achievements

- Students usually get emails from the system so to obtain information about courses and material that goes with it. The legacy system needed to constantly be updated manually with email templates. I introduced a new email process which no longer needed manual updates for templates, where email data and other information was now part of an automated template process. This alleviated developers when new courses needed to be sent to the student base.

TECHNOLOGY STACK

JAVA 5
JEE3
legacy



APACHE
CAMEL



SWING



DATABASE
MS
SQLSERVER
VERSANT





Company SANLAM SPF



Duty Senior Java Developer



Reason for leaving Resignation – looking for other opportunities.



Duration June 2013 – August 2013



Activities

- Implement Spring Batch procedures for file loading into application backend, using BeanIO.
- Files were loaded from a server, where I set up an Apache Camel Rout to pick up files automatically.
- Developers and testers used this piece of software to load their own files for development and testing.
- Components:
 - O Camel Quartz, Camel FTP, Camel Bean.
 - O All Camel components were configured in a Spring configuration file, and not in Java, so that Spring Context would load the Camel rout, therefore making it loosely coupled.
- Write Generic Procedure classes for data transformation and validation:
 - O In order to process batch files, transformation and validation of data was performed. Common validation such as Date, String length, flags, and name checking were done. Other business related validation occurred, and corrections made on the database for further processing of files.

TECHNOLOGY STACK

JAVA 7
SPRING
BATCH



APACHE
CAMEL
BEAN-IO



DATABASE
IBM



- Implement table structure modifications, and schema setup.
 - o Tables for new files to be uploaded, new products being created, were created by me for the business. Indexing and relating to other tables that were legacy, and many stored procedures (IBM DB2 v9) also implemented.
- Evaluate procedures with BA's, and query course of action before implementation.
- Drink a lot of coffee + carbonated water.



Achievements

- Managed to correctly take work produced in the 1970's, written in COBOL, to a modern Java software module. This enhanced process speeds, which was one of the goal of this entire project, since the hardware running the legacy was old IBM mainframes, with a memory of 16MB only (AS 800).
- Difficult Spring Batch processing memory issues solved. It was not attempted to use Spring Batch in certain ways due to this memory issue. A close study of how Spring Batch works resulted in better ways to write the batch process.



Company PAYGATE



Duty Senior Java Developer



Reason for leaving Contract End



Duration November 2012 - February 2013



Activities

- Design and implementation of XML-RPC calls for in-business web interfaces:
- Jetty + Spring loaded Beans process Web Calls in JaxWS.
- Design and implement cryptology module to encrypt credit card information, with Secret sharing, and AES128 encryption. Developed a stand-alone black box, with secret share, so that unique secure keys perform encryption.
- Use current company rules and infrastructure to implement new functionality.
- Debugging of current java system, as well as instructing feature changes to current developers.
- Implement SOAP interfaces (Spring, Camel, Jetty) for 3rd party connectivity, for risk service gateways.



Achievements

- Due to a breach, the company hired me to mainly develop an encryption module, which secured client in-house identity, as well as credit card information. This black-box secured online transaction information, and was deployed as soon as it was ready. After this, the company met CPI compliance, and could move on from their audit trials.

TECHNOLOGY STACK

JAVA 7



AES CRYPTO



DATABASE
MYSQL



Company RED PANDA SOFTWARE



Duty Senior Java Developer



Reason for leaving Contract End



Duration June 2012 - August 2012



Activities

- Generate applications within the redPanda Java Framework
 - o Worked with an insurance framework, where policies and contracts were being rolled out to clients of large furniture stores.
- Use GWT to create presentation layer:
 - o Worked with GWT 2.x, writing GUI for company business rules. Created widgets based on GWT, for data binding, created custom tables, check boxes, fields, compound components, for data collecting with GWT.
- Create RPC calls into the backend system. Used GWT RPC framework to communicate

TECHNOLOGY STACK

JAVA 6
GWT
JPA



- and transfer policy data to different systems on the redPanda framework. Abstract JPA entities from database tables. When implementing screens, JPA was utilized to map entity and tables for obtaining CRUD functionality for transaction processing and information presentation.



Achievements

Nothing here unfortunately. Limited growth.



Company RED-I



Duty Senior Java Developer



Reason for leaving Resignation - looking for other opportunities.



Duration April 2012 - May 2012



Activities

- Adding images to GIS system
- Working with Email templates



Achievements

Nothing here unfortunately.

TECHNOLOGY STACK



Company INDABA MOBILE



Duty Senior Java Developer



Reason for leaving Resignation - looking for other opportunities.



Duration March 2011 - February 2012



Activities

- Develop NoSQL implementation of business models (User profile, content classification strategies).
- Assist junior developers with technical specification and implementation.
- Assist Data Manager with Technical queries and identification of business data
- Data manager consumed XML information pushed through REST to reports.
- Implement rules model/ rules engine using [drools].
- Implement Event Management system against business event model
- Event system pushed logs, and feature events to end-points.
- Development Life Cycle from dev, to test, through to production release.
- Implement Spring based applications and frameworks.
- Implement Apache Camel Business Integration Patterns.
- Implement Apache Cassandra NoSQL servers, and custom API.
- Research and Development of LargeData network rings, scalability, and management.



Achievements

- Implemented a NoSql strategy which allowed for specific user profile data to be dynamically modified according to the type of the user profile the business would create. This served as the basis of much of the business models.

TECHNOLOGY STACK

JAVA 6
SPRING



DATABASE
NOSQL





Company

AGILITY GLOBAL HEALTH SOLUTIONS



Duty

Senior Java Developer



Reason for leaving

Contract End



Duration

October 2010 - February 2011



Activities

- Support Junior Developers. Assisting with building of Swing GUI, data binding to many GUI elements, advising on how to load data from files, teaching basic and moderate java concepts.
- Implement Data loaders for Pharmacy data throughput into data systems:
- Data Loaders used rules from Pharmacy manual for ICDC10 codes, procedures, prices to load transactions into an insurance system.
- Implement File loading models also for Hospital standards. Read files from a FTP site, use rules as mentioned above, and load hospital transactions into insurance system.
- Implement FTP procedures for updates of pharmacy data. Use Java to log into FTP site, access multiple files for varying purposes, and transfer files to local system for file loading.
- Work in conjunction with Health Care representatives. Identify necessary rules to load Pharmacy and Hospital information in conjunction with transactions. Implement with company's EJB framework rules within requirement of policies advocated by health insurance standards.



Achievements

- Received a Team Player Award, for being able to overcome certain restrictions, in order to perform the prescribed work at hand.

TECHNOLOGY STACK

JAVA 5



DATABASE
ORACLE 9I



Company

DIMENSION DATA APPLICATION SOLUTIONS



Duty

Senior Java Developer



Reason for leaving

Contract End



Duration

April 2010 - September 2010



Activities

- Re-use custom built objects from repositories to meet business requirements. At times implementing further functionalities. These business objects connected UNISA to legacy systems. Often because of legacy, these objects would need tweaking, and I played a role in communicating with Business Analysts to enhance objects to further operate seamlessly with legacy system, and implement some of the changes at times.
- Use bespoke mapping tool to build proxy object mappings to connect with 3rd party systems at UNISA. This tool would map input and output requirements to business object through XSL. Therefore all data requirements for web transactions were mapped here.
- Design and implement complex User Interfaces in GWT according to client specifications, and link that to proxy objects. GWT elements from tables, to buttons, to lists, to trees, to comboboxes, expandable tables, check boxes, custom buttons, custom fields, were built to suit needed data



Achievements

- Work done was pivotal to upgrade the Student System one of South Africa's largest university: UNISA. We continually upgraded their legacy Student System which was proving to be a liability, by migrating to the best front-end technology of the time, which was GWT.

TECHNOLOGY STACK

JAVA 5
GWT





Company MOBILITRIX



Duty Java Developer



Reason for leaving Contract End



Duration August 2008 - December 2009



Activities

- Design of online system for mobile survey delivery, and implementation, called MobiliSurvey. A set of Java J2SE classes tied with Servlets, managed USSD sessions through a data structure. Each session had an expiration mechanism to save costs to both the company, as well as the MT client.
- Logic as well as source code were built from scratch. Integration with 3rd party mobile Aggregators, and backend systems, using REST services, and other session management logic as main techniques. Mobile 3rd party would provide software to build gateways to their system, where libraries and APIs would be managed, tested, debugged, and even given improvement feedback to 3rd party developers.
- Management and maintenance of MPS (Mobile Presentation System), which is a mobile media delivery system via WAP. Content being served to mobile phones would need to be edited and tweaked to be served to a newly discovered device. Implementing and testing of new features. Testing procedures in Junit as well as integration testing would occur when planning features or when looking to improve performance.



Achievements

- Achieved company goal of having a system that used **USSD** as their main **business tool**, by connecting in-house systems to 3rd Party Gateways, which provided mobile data services that allowed the Mobilitrix system to serve a dynamic set of client-focused data, to cellylar phones of the then present time.

-The system which was built performed robustly and was chosen by **RedBull Street Soccer** to serve as a voting mechanism during performances in South Africa.

TECHNOLOGY STACK

JAVA 5
TOMCAT 6



DATABASE
MYSQL



Company CELL-LIFE



Duty Java Developer



Reason for leaving Resignation - attempt to move to Mauritius.



Duration August 2007 - June 2008



Activities

- iDART development. Software for pharmaceutical dispensing of ARV Drugs.
- Coding case elements into iDART via use of J2SE5 and SWT, via Eclipse SDI. Used SWT extensively to implement use cases in iDART, with constant input from Business Analyst.
- Add new features to existing application and databases. With input from Medical Doctors, as well as pharmacists, iDART was constantly being released into the open source community, where new features, and new requirements from the field was transformed into software for the catering of ARV drugs.
- Provide testing for developed applications/features. Tested functionality with JUnit and TestNG. Tested GUI functionality, data cycle processes, integration and new features.
- Develop according to Cell-Life coding standards and development processes.
- Estimate task duration. Use Scrum methods to perform task estimation, as well as utilize common sense for task creation. Reporting to management noted tasks to be fulfilled.
- Perform code reviews on peers. Verify code which was in software, discuss coding standards, and perform alterations as agreed upon.
- Keep time log. Performed time keeping tasks for project sponsors.
- System administration duties. Maintained linux server with cleansing of logs, reassigning user rights, and restarting database servers when needed.

TECHNOLOGY STACK

JAVA 5





Achievements

- Work performed assisted the Bishop Desmond Tutu Foundation, helping the treatment of HIV among the less fortunate population, via the use of the i-Dart Software in community clinics around South Africa.



Company TSOLEH BUSINESS SOLUTIONS



Duty Java Developer



Reason for leaving Contract End - Adhoc contract extension.



Duration October 2006 - March 2007



Activities

- Implement End-User screen specifications into Software System with Java Swing Components. These are tables, labels, text boxes, radio buttons, buttons, and other software components through Jgoodies - operating with business logic.
- Bug Fixing - managed by a Bugzilla console.
- Enhancing Code by restructuring of software. This was done as a Series of data editor objects were restructured to dynamically load one simple editor object multiple times through an XML map.
- Building a Software Online Help module, to load help screens in a browser.
- Partial Implementation of a Webstart structure for software download.



Achievements

Nothing here, unfortunately.

TECHNOLOGY STACK

JAVA 5



Company FREELANCE WORK



Duty Java Dev / Support / Web dev



Reason for leaving Freelance work Scarce



Duration November 2004 - September 2006



Activities

- Build Websites, especially for restaurants like Fish Peddler, the Dross, Milky Lane... websites superseded by better technology such as html 5 as opposed to html 2 of those days (2004).
- Write code for a printing business called Modern Printers. They often had many clients with documents in the form of metal press plates, over 3000 metal press plates that needed to be assigned to specific printers, with specific inks, with specific operators, with specific hours, and specific job types. All of this was hand charted, but with the introduction of a custom software it was easy to manage the required organization of plates for different clients. Emails were setup to be sent out to clients, when the jobs were finished, with a specific job quote. This specific software was written by me, and had a development life span of about 2 ½ years, as requirements were refined and changed (2004-2006).
- Developed a cash box system (Java, Swing), or petty cash as known elsewhere, that would allow a secretary or PA's to have cash on hand in order to pay for goods that were needed for daily shop operation. The cashbox system kept track of all moneys in and out of the petty cash safe, and reconciled later into a spreadsheet. It also kept track of loans made to workers, as it was needed perhaps for transport, or any other form of needs (2004-2005).
- System support for the Brazilian Consulate in Cape Town. Their systems were solely in Portuguese, and I performed their software updates, computer maintenance, and did some translation work to English for local business interacting with the Consulate. This had a work life span of about 1 year (2004).
Software support for some private entities, and other private clients. (2004 - 2006)



Achievements

- Enhanced printing press work-flow, by improving job organization - workers job performance sped up by ~30% due to finding press plates through A Java Swing tool, as they no longer had to sift through 1000's of press plates for a specific press Job.

TECHNOLOGY STACK

JAVA 4



MICROSOFT ACCESS



VISUAL BASIC



HTML JAVASCRIPT



- Small loans to employee tracker, with a CashBox Java application, reduced a specific cash-flow problem entirely at month-end, as the application reported on outstanding loans, also a total loan report, per employee. Tool provided a worker salary deduction suggestion (interest) in order to recover funds.



Company ULTRAFLOW LUBRICATION (HEAVY MACHINERY)



Duty Java Developer



Reason for leaving Resignation - not enough engineering knowledge.



Duration July 2004 - November 27, 2004



Activities

- Build company website
- Build store stock control
- Build lubrication client quoting system
- Build lubrication engineering concepts into operational software for marketing, and for machine (lathing) costing.



Achievements

Nothing here, unfortunately.

TECHNOLOGY STACK

JAVA 3



HTML 1



Company NDIZANI INFO COMMUNICATION HOLDINGS



Duty Java Developer



Reason for leaving Company Liquidation - broke out to finish college.



Duration September 2002 - November 2002



Activities

- Develop a Customer Relations Management tool:
- Chat Server to host customer chats, making sure that modem connections would be possible, so that employees could work overtime from home.
- Tech Support Agent Console, equipping the support agent with online instructions to deal with customer issues, and with supervising capabilities if an agent's role was of a floor operator, manager or of an account owner. The tool was a chat application; therefore conversation through text to client was possible in real time, as well as the delivery of solution for the customer's issues. This would ensure good support.
- Client Help Console. Used on a website, as the tool was used when clients visited the website to obtain support for their software issue. They used this tool to chat real time with the support agent.



Achievements

- First implementation of an RMI Java Chat system the company had ever attempted. Chat system was operational, but company liquidated before it was possible to deploy. This chat system would replace the expensive licensed "Instant Service" system being used.

TECHNOLOGY STACK

JAVA 3
RMI



Company NDIZANI INFO COMMUNICATION HOLDINGS



Duty Technical Support Specialist



Reason for leaving Promoted to Java Developer



Duration March 2002 - September 2002



Activities

Worked as a technical support specialist where I would be acquiring knowledge

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of technical issues, workaround of issues, solutions for issues, and passing this knowledge to a team of technical support agents. All these achievement were made either through Research and Development, trial and error in various scenarios, or as it was often done, online with the client as solutions were being rolled out. There was a high level of involvement with the clients, since we would be servicing them directly on the company's behalf. Would meet on a weekly basis with other support specialists, and discuss issues faced by the software being supported. Took part in conference calls with the United States, India and Scotland. Those meetings would conclude with experience being broadly shared, and accepted on the lines of client support.



Achievements

- Became very well versed in providing tech support, was promoted to Java Developer in order to replace an expensive chat system being used. At the time I was still a College Student, and this meant a lot to me.



Company

NDIZANI INFO COMMUNICATION HOLDINGS



Duty Technical Support Agent



Reason for leaving Promoted to Tech Support Specialist



Duration March 2001 - February 2002



Activities

- Configure, troubleshoot and fix McAfee Software on user's PC, through an Internet chat system. I worked with the following software: VirusScan, GuardDog, Personal Firewall, Uninstaller, PGP, Quick Clean, First Aid, Active Shield, FireWall Online, Online Privacy.

- Usually, I would service on average 40 clients per night, since the very nature of the business was time consuming. There were targets to be met, which I would meet daily. As extra, provided important technical information to team mates, which lead me to be promoted, since the information that was given was useful to be placed in the lines for client support.



Achievements

- Did above average number of customer calls per night, were 30+ was an average, and mine was above 40. This led me to be promoted to Tech Support Specialist.

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Applied Skill Profeciciency

The number of months a skill was applied per project, and my perceived proficiency value.

Java Programming Language and Related Technology	Java	Spring	Spring Batch	Spring Boot	Log4j	Bean-IO	Java Native	GWT	AES Encryption	FTP	RMI	WEBSTART	EJB
Proficiency : Excellent(5) - Poor(1)	4	4	2	4	3	3	2	3	3	2	3	3	3
Ndizani Info communication Holdings	3										2		
Ultra Flow Lubrication	5												
Free Lance Work	16												
Tsohle Business Solutions	6											1	
Cell-Life	10											2	
Mobilitrix	15												
Dimension Data Application Solutions	6				6			6				2	
Agility Global Health Solutions	5				5								3
Indaba Mobile	12				12								
Red-i													
Red Panda Software	3	3			3			3					
Paygate	4				4				4				
Sanlam SPF	3	3	3		3	3				2			
ICG	7				7								2
Dev Factory	1	1			1		1					1	
Perago FSE	3	3			3								
Lava Lamp	8				8								
Fluidity Solutions	7	3		5	7		2						
Deloitte Digital	5	5			5								
CompuGroup Medical	6	6			6								5
Helios ITS	10			10	12				5				3
Project "Flow Back" / Water conservation	17	17		15	17								
TOTAL NUMBER OF MONTHS	152	41	3	30	99	3	3	9	9	2	2	6	13

Database Technologies	MySQL	Postgres	MsSql 2008	Apache Cassandra	JPA	Hibernate	IBATIS	JDBC
Proficiency : Excellent(5) - Poor(1)	4	3	2	3	3	3	2	4
Ndizani Info communication Holdings	3							2
Ultra Flow Lubrication	3							3
Free Lance Work	8							10
Tsohle Business Solutions								
Cell-Life	5	5						
Mobilitrix	7						10	
Dimension Data Application Solutions							6	3
Agility Global Health Solutions								
Indaba Mobile	8			10				
Red-i								
Red Panda Software								
Paygate								
Sanlam SPF					3	3		3
ICG			5					
Dev Factory	1							
Perago FSE	3							
Lava Lamp					5			
Fluidity Solutions	7							
Deloitte Digital								
CompuGroup Medical		6			3			
Helios ITS								
Project "Flow Back" / Water conservation	17	5			10	10		3
TOTAL NUMBER OF MONTHS	62	16	5	10	21	13	16	24

Methodologies, IDE, Repositories, Build, OS	SCRUM/ Agile	Eclipse	IntelliJ	Netbeans	SVN	GIT	Maven	Ant	Windows	Linux	Mac
Proficiency : Excellent(5) - Poor(1)	3	3	4	2	3	3	4	2	4	4	3
Ndizani Info communication Holdings									10		
Ultra Flow Lubrication									5		
Free Lance Work									15		
Tsohle Business Solutions	6			6					6		
Cell-Life		10							12	2	
Mobilitrix		14			15					3	12
Dimension Data Application Solutions		6			6		15	6	6	6	
Agility Global Health Solutions		5			5						
Indaba Mobile		12			12					12	
Red-i							12				
Red Panda Software	3				3				3	3	
Paygate		4			4		3			4	
Sanlam SPF	3	3			3		4			3	
ICG		7			7		3			7	
Dev Factory	1	1								1	
Perago FSE					3		1			3	
Lava Lamp	8	8			8		3			8	
Fluidity Solutions	7		7			7	8			7	
Deloitte Digital	5		5			5				5	
CompuGroup Medical	6		6		6					6	
Helios ITS	10		12			12	6			12	
Project "Flow Back" / Water conservation		2	17			17	12			17	
TOTAL NUMBER OF MONTHS	49	72	47	6	72	41	67	6	57	99	12

WEB SERVICES	REST	JAX-RPC/ WSDL	JAX-WS/ SOAP	JSON	XML	APACHE CAMEL	APACHE CXF	IBM AWS	JBOSS	WILDFLY	TOMCAT	JETTY
Proficiency : Excellent(5) - Poor(1)	4	3	3	4	4	3	3	2	2	3	4	3
Ndizani Info communication Holdings												
Ultra Flow Lubrication					3							
Free Lance Work					10							
Tsohle Business Solutions												
Cell-Life					6							
Mobilitrix	10				10							
Dimension Data Application Solutions			6		6						6	
Agility Global Health Solutions		5			5				6			
Indaba Mobile				5	10						6	
Red-i												
Red Panda Software			3						3			
Paygate	3				3							3
Sanlam SPF	3		3		3	2	3					
ICG	5				3							
Dev Factory				1								
Perago FSE					3			3		3		
Lava Lamp	5			5								
Fluidity Solutions	5			5		3						
Deloitte Digital	6			6		2						
CompuGroup Medical	10				5				6			
Helios ITS					10					10		
Project “Flow Back” / Water conservation	15			15		4					15	5
TOTAL NUMBER OF MONTHS	62	5	12	37	77	11	3	3	15	13	27	8

PATTERNS	OOD	TDD	DDD	SOLID	HEXAGONAL ARCHITECTURE
Proficiency : Excellent(5) - Poor(1)	4	2	3	3	3
Ndizani Info communication Holdings	3				
Ultra Flow Lubrication	4				
Free Lance Work	3				
Tsohle Business Solutions	6				
Cell-Life	6				
Mobilitrix	12				
Dimension Data Application Solutions	6				
Agility Global Health Solutions	6		3		
Indaba Mobile	10				
Red-i					
Red Panda Software	3	3	3		
Paygate	6				
Sanlam SPF	3	3			
ICG	10				
Dev Factory	1				1
Perago FSE	3		3		
Lava Lamp	5				
Fluidity Solutions	5			5	
Deloitte Digital	6		3		6
CompuGroup Medical	10				
Helios ITS	10				
Project “Flow Back” / Water conservation	15			15	15
TOTAL NUMBER OF MONTHS	133	6	12	20	22

