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AMIN TAZIFOR

SUMMARY

- Over 15 years of Object Oriented Programming experience in Java and Web Technologies.
- Azure Certified Solutions Architect
- Oracle Certified Java Programmer/Web Component Developer
- Certified Associate MuleSoft Developer
- Great understanding of web application architectures and a practical problem solver with an amazing ability to understand the business and always looking at the bigger picture
- Experienced in Python and Perl
- Proficient in OOP/OOD and databases
- Excellent experience using web frameworks like Struts, Spring, Catalyst, Django
- Excellent experience in using web-servers; Apache, Tomcat and various application servers like WebLogic, Oracle Application Server, JBoss and WebSphere
- Proficient in Unix/Linux environments and scripting (shell, Perl)
- Excellent communication and interpersonal skills, great team player

EDUCATION

Masters of Science in Media Arts and Computer Science (New Mexico Highlands University, New Mexico)

Bachelor of Science in Physics (University of Buea, Cameroon)

Mongo DB for DBAs and Mongo DB for Java Programmers course by Mongo DB Inc.

Coursera Courses: Data Analysis and Statistical Inference, Android Programming and Introduction to Big Data

Awards/Nominations/Presentation

Nominated for teacher of the year 2007 (New Mexico Highlands University)

Conference Presenter - AFRINIC 17 in Khartoum, Sudan

WORK EXPERIENCE

Wakwat, Austin, TX

December 2018 to Present

Role: Founder

Wakwat (<https://wakwat.com>) is a social app that makes it easy for individuals that live in apartments to meet their neighbors and interact in meaningful ways.

As a technical founder:

- I conceived the idea and developed initial designs for the product.
- Administered and managed VMs on Azure and digital ocean
- Led the hiring process for the entire team.
- Led the application design and development efforts of the product.

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Digonex, Indianapolis, IN

April 2015 to present

Role: Software Engineer

Digonex is a dynamic pricing provider that gives retailers, sports teams, event organizers the ability to effectively strategize their pricing structures.

As a software engineer I accomplished the following:

- Worked on product development and client integration projects.
- Reviewed existing applications/framework and suggested improvements that will minimize and isolate errors and improve overall time to resolve application issues that could affect clients. I also documented some of the applications and business processes.
- Enhanced existing Mule applications to improve reliability using JMS/ActiveMQ and local JVM message queues
- Wrote modules to integrate with solution models written by our Economists using Mule and custom Java components/processes, making extensive use of XML and JSON transformations.

Environment: Mule, ActiveMQ, JMS, Activiti, MySQL, MongoDB, Java

Department of Revenue, Indianapolis, IN

May 2013 to April 2015

Role: Software Engineer

Project: Fuel Tax Systems (FTS)

A project I had previously worked on, my services were required to

- Lead the entire development team in migrating all applications from JDK 1.4/1.5 to JDK 7 and from Oracle Application Server to WebLogic 10.3.6.
- I was part of a two man team that analyzed and implemented a solution to identify gaps in a process that had caused a holding account to accrue to about \$20 million.
- Implement an additional module that will be used by the Audit Division at DOR to complete an entire audit process from finding accounts eligible for audits up to billing customers that were actually audited.
- I also extended the existing application to incorporate changes that were required by newly enacted state legislature

Environment: JEE5, Struts, SiteMesh, Spring, Hibernate, PL/SQL, Oracle Scheduler, Excel

AFRINIC, Cyber City - Ebene, Mauritius

January 2012 to April 2013

Role: Software Engineer

The African Network Information Center (AFRINIC), is one five Regional Internet Registries in the world and serves the African region. The organization manages internet resources; IPv4, IPv6 and ASN Numbers. Any ISP, Institution or End User needing resources from AFRINIC must first become registered a member and pay a yearly membership fee. Then they have access to a member portal where we provide necessary services to help in managing their resources.

As a software engineer, I was required to develop, maintain and ensure the smooth running of applications and also give presentations/talks at International conferences organized by the company.

During my time in the company I worked on 3 key projects apart from my day-to-day tasks of maintaining applications and scripts mostly written in Perl/Catalyst:

New Member Registration Portal

This will allow potential members to easily register/apply to become members. Upon receipt of their application the host master is notified through a Business Process Management (BPM) System. If all requirements are met,

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their application is processed and they become members.

I served as the project lead, putting together all the human resources needed.

- Coordinated and lead requirements gathering and application design
- Put together entire architecture of the system
- Researched, designed and implemented the first Business Process Management system using Activiti and BPMN 2.0
- Implemented code to meet business requirements

Environment: UNIX, Spring 3.1 (Security, AOP, IOC), Hibernate 3.6, MySQL, Acitiviti, JQuery/Mobile, Eclipse

MYAFRINIC-PASTEL RESTful Webservice

This RESTful Webservice allows two previously unconnected systems (Member portal and accounting system) to have an interface through which they could communicate seamlessly.

As a sole member on this project, I accomplished the following:

- Architected, designed and implemented the entire web service from start to finish
- Wrote the corresponding client in Perl/Catalyst to consume these services
- Wrote all the Perl scripts for clean-up and migration needed before the service was put in production

Environment: UNIX, Spring 3.1 (Spring MVC, Security, AOP, IOC), Hibernate 3.6, MySQL, Perl 5/Catalyst, Eclipse

AFRINIC E-VOTING SYSTEM

This system allows members to vote in key elections (for example board elections) using a secure online system that is tied to the member portal.

I accomplished the following:

- Researched and convinced management on my choice of the open source package called Helios (written in python/django).
- Significantly modified Helios to meet our business needs (for example adding an extra layer of security by validating business certificates in the browser and signing emails)
- Integrated this python module into our Perl-driven member portal

Environment: UNIX, Python/Django, MySQL, Perl 5/Catalyst, Browser Certificates, Encryption (signatures)

Department of Revenue, Indianapolis, IN

December 2007 to September 2012

Role: Software Engineer

Project: Fuel Tax Systems (FTS)

Indiana's Fuel Tax System is designed to allow trucking companies that operate from the state of Indiana to register their companies, file their taxes on a quarterly basis and renew their licenses on a yearly basis. The system will also be used by tax analysts to verify user transactions and help users accomplish certain tasks if they can't get online. State auditors will also use the system to audit tax payer accounts that have suspicious activity. Audit and Tax Analyst supervisors use the system to supervise tax payer, auditor and tax analyst activities.

Responsibilities

- Working closely with the Business Analyst in gathering requirements and fulfilling assigned tasks.
- Researched on the use of Aspects for logging and handling exceptions
- Researched and implemented specific architectural standpoints for the project
- Developing entire modules from the Action layer to the DAO layer
 - o Used Struts 2 tag libraries for the jsp pages

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- o Tied requests to Actions in the struts config file
- o Used Spring context to tie the service layer to dao layer
- o Use Spring JDBC and Hibernate DAO for database access
- Wrote Oracle stored procedures that are called using Spring JDBC
- Wrote overnight daily and yearly batch jobs to meet business requirements
- Used windows task scheduler to automate batch jobs
- Wrote dynamic queries and other queries of varying complexities
- Used oracle report builder to develop oracle reports
- Developed exception and logging scheme using log4j for the entire project
- Used Oracle Application Sever (for production) and Tomcat (for development)
- Used and modified Ant scripts

Environment: Struts 2, Hibernate 3.0, Spring JDBC 2.0, Oracle Report Builder 10.1, Oracle Application Server (Oc4j 10.1), Tomcat 6.0, Sitemesh, MyEclipse 6.1, Log4J, Ant, AspectJ

Daimler Chrysler, Chelsea, MI

May 2006 to July 2007

Role: Software Engineer

Project: Emissions Test System (ETS)

Emission certification requires the testing of pre-production vehicles to prove compliance with emission standards established by EPA, California Air Resources Board (CARB) etc. All requests for testing are electronically submitted to the emissions lab using the Emissions Test System (ETS). ETS allows users to have test requests, test data and test reports in one system. It is a web application that lets users create and submit a test request and generate test reports from any personal computer that has access to the company intranet.

Responsibilities

- Involved in design, development and Integration testing of the system
- Implemented MVC design pattern in the presentation layer using Struts
- Used JSTL and Struts tag libraries in the presentation layer
- Implemented the presentation layout using Struts Tiles
- Used iBATIS Data Mapper to access IBM DB2 database
- Evaluated Eclipse and Adobe Flex IDEs and made recommendation to use Eclipse as per the project requirements
- Wrote SQL queries and stored procedures for IBM DB2 database
- Developed test cases using JUnit and used Log4J for logging
- Wrote Ant scripts to build the project

Environment: Linux, Java, J2EE, JSP, Servlets, Struts 1.2, XML, Data Access Objects, IBM DB2, iBATIS 2.0, Eclipse 3.1, WebSphere 6.0, Apache Tomcat 5.0, Apache Axis, Log4J, JUnit

Tapetes de Lana, Las Vegas, New Mexico

November 2005 to April 2006

Project: Tapetes Inventory Management System (TIMS)

Role: Analyst/J2EE Programmer

Tapetes de Lana is a Non-profit organization located in Northern New Mexico that transforms animal skin into finished products like rugs, mats, jackets, and hats. The finished products are sold in neighboring cities. The TIMS project was two-fold; the primary project was to transform their previously Excel-based inventory system into a Web-based system. The second project that was done simultaneously with the first was to diversify the market so that items could be sold online.

Responsibilities

- Feasibility study of the project

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- Class diagrams, Class cards and UML for the project
- Responsible for designing payroll excel-based time sheets using swing components
- Transfer initial code in Squeak (SmallTalk) to Java code
- Wrote SQL queries for Oracle database
- Wrote Servlets to track user sessions
- Implemented presentation layer using JSPs
- Wrote Servlets and Java DAO classes for database access
- Used EJB 1.1 as business layer to deal mostly with heavy business logic and to deal with transactions.
- Implemented Session Bean components and Java Servlets were used as controllers

Environment: Core Java, EJB, Servlets, Tomcat, Windows XP, JDBC, JSP, Oracle 9i, SQL Queries, Swing, AWT, J2EE

GearUP, Las Vegas, New Mexico

January 2005 to October 2005

Project: Student Assessment Web Tool

Role: Java Web Programmer

GearUp is a Federal-funded program at the New Mexico Highlands campus that provides tutoring services to students of the two high schools in Las Vegas. They hire tutors that guide the students, administer tests and record their performance into a web-based system. The student's attendance, performance and general progress can then be accessed by both the students and their parents.

Responsibilities

- Design and develop entity beans for persistence objects
- Wrote Servlets and Java DAO classes for database access
- Designed JSP pages for user views and authentication authenticated login
- Wrote SQL queries, stored procedures, functions, packages for Oracle
- Implemented a tutor-student scheduling algorithm for tutoring by appointment or walk-in basis
- Wrote Ant build scripts

Environment: Core Java, Linux, Textpad, JSP, JDBC, Entity Beans, Oracle

Cosmos Publishers Ltd, Cameroon

June 2002 to November 2004

Project: Post-Production Distribution

Role: Web Design/ Java Programmer

Cosmos Publishers is the second largest publishing house in Cameroon. It publishes books from local author that are used mainly in Cameroon and Ghana. It has three production houses located in different cities in Cameroon. Within a 2 year period, demand for Cosmos books dramatically increased and the number of workers more than quadrupled. The simple standalone user application no longer met the needs of the company so a simple web solution was important.

Responsibilities

- Designed GUI-based forms for customers and employees using Swing components
- Developed front end using HTML, JSP and custom tag libraries
- Designed and coded helper classes to access DB2 database system
- Deployed the system unto Tomcat server

Environment: Core Java, HTML, JSP, DB2, Tomcat Server, Swing, AWT

TECHNICAL SKILLS

Operating System

UNIX (Open BSD), Linux (CentOS), Mac OS (Lion), Windows

Technologies

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Java1.4/1.5, J2EE (Servlets, JSP, JSTL, JDBC, JNDI, JAXB2), XML (XML Schema, DTD, XSLT), AWT, Java Swing (JFC), JavaBeans, Python 2.7, Perl 5, Pascal, SQL, HTML, JavaScript, REST, BPMN 2.0

Frameworks

Struts 2.0, Spring 3.1, 2.1, Django 1.4, 1.3, Catalyst,

ORM tools

Hibernate 3.5, 3.0, iBatis

Databases

Oracle 10.1, DB2, MySQL 6.0, MS SQL, H2

Web Servers

Apache-Tomcat 6.0/7, Jetty

Application Servers

WebLogic 10.3.6, Oracle Application Server 10.1, JBoss, WebSphere 6.0/4.0

IDE

MyEclipse 6.0, Eclipse

Tools

Git, Maven, Ant, SVN, Mercurial hg, Toad, Oracle Reports Builder

Networking

Cisco Routers, Cisco Switches

Protocols

Application Layer (HTTP, FTP, DNS), Transport Layer (TCP, UDP), Network Layer (IP, ICMP), Ethernet, PPP