# Mahesh Venkat-Adusumelli

***Employer Details:***

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* **15 years** of experience in **Java/J2EE** in areas of **service-oriented systems, e-commerce, security, crowd-sourcing, claim processing, website hosting** within the analysis, design, development, testing, integration and maintenance phases of the **Software Development Life Cycle (SDLC) and Agile Development Methodology.**
* Excellent understanding of **object oriented** methodologies, software development life cycle and software testing methods.
* Extensive experience working with **Oracle, SQLServer, DB2 Informix, TeraData,** working on areas of table schema design, index management and data migration.
* Extensive experience writing complex SQL queries for generating data reports and analysis.
* Experience in usage of various **design patterns** based on project requirements.
* Developed and maintained systems with **high volume requests** and **low latency** requirements for real-time data retrieval, presentation and modification.
* Experience in **software integration and web application** software administration for **systems with a wide user base.**
* Experience with using various **Testing Tools –** Rational Robo, Rational RoboJ, Rational Clear Quest, LoadRunner, WinRunner, JUnit, HTTPUnit, **Scripting Tools –** PERL, Unix Shell Scripting, PowerShell Scripting, **Reporting Tools -** Cognos, OBIEE, ClearCase, Crystal Reports.
* Participated with release management for the applications during implementation phase.
* Experience in review of **Business Functional Specifications, Functional Design Specifications** and **Detailed Design Specifications**.
* Expertise with interaction and understanding requirements of **Business Analysts, Stakeholders, Managers, Developers, Testers** and **End Users to design appropriate solutions.**
* Excellent communication skills and is able to work individually and as Team member.
* Excellent **problem-solving** and trouble-shooting capabilities and high motivation to learn/use new technologies.
* Worked on multiple projects simultaneously and enjoy responsibility.
* Immense interest in learning new technologies and using them to deliver solutions.
* Expertise in handling Production Support issues, with high priority deadlines.

## TECHNICAL SKILLS:

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| **Java Technologies** | J2EE, EJB, Java, JSP, Spring, Servlets, Swing, Hibernate, JMS, JavaMail, JNI, ANT, UML |
| **Web Development** | DHTML, CSS, XML, XSL, XSLT, JDBC, WSDL, SOAP, UDDI, PERL-CGI, Struts, Ajax, JavaScript, Jscript, JQuery, AngularJS, node.js, ASP.NET, JSP, Servlets, Mason |
| **Programming Languages** | C, C++, Visual Basic (4.0, 5.0, 6.0,.Net), VBScript, C#, Prolog, Cobol, Basic, SQL, PL/SQL. |
| **Operating Systems** | Windows XP/2000/ME/NT/98/95, HP-Unix (11i, 10), AIX (4.3, 5.1, 5.2), Red Hat Linux (6.0, 7.0, 8.0, 9.0), Debian Linux 3.0, United Linux, SuSE Linux Enterprise Server (SLES), MS DOS, Solaris (7, 8, 9) |
| **Database Systems** | Oracle 10g-12c, MySQL, PostGreSQL SQL Server 2000, MS Access, IBM DB2, IBM Informix, Teradata |
| **Web Servers** | Personal Web Server, Tomcat, Apache Web Server (1.3, 2.0), MicroSoft IIS, Java Web Server, GlassFish, WebSphere |
| **QA / Testing Tools** | WinRunner, LoadRunner, Rational Clear Quest, Rational RoboJ, Rational Robo, JUnit, HTTPUnit, Selenium |
| **Scripting Languages** | PERL, VBScript, Unix Shell Scripting, Windows Batch Scripting |
| **Reporting Tools** | OBIEE, Actuate E-Business Reports, Crystal reports, COGNOS reports |
| **IDE** | Eclipse, RAD, WSAD, JBuilder, Visual Café, Rational Rose, IntelliJ |
| **Networking Protocol** | TCP, SIP, UDP, SOAP, HTTP,HTTPS, RMI, FTP |
| **Version Control** | Accurev, CVS, SubVersion, PVCS, Git, Dimensions |
| **Software Packages** | MS Office, MS FrontPage, Flash, Dream Weaver, WebCT, Lotus SmartSuite, OpenOffice, Star Office, GroupWise, IBM ODM |

## PROFESSIONAL EXPERIENCE:

#### Fidelity Investments, Westlake, TX July’ 15 – Present

**Role: Senior Java Developer**

**Project # 1:** **SHARES**

The SHARES team is responsible for supporting the internal Shares Program that allows Fidelity associates own and manage internal Fidelity Shares that are awarded to them. It allows Fidelity associates view details of their shares and supporting documentation through different portals such as Net Benefits or the Shares website. It also provides the Shares management team a portal to administer and manage the shares program and user access.

* Developed and deployed microservices using Spring Boot.
* Added features to the Shares Admin UI to allow users use new functionalities.
* Created POCs for new initiatives to improve the SHARES program.
* Researched data issues and developed fixes for data issues and worked with business team for validating the fixes.
* Designed and developed batch jobs for processing and populating holdings information in the Redis cache.
* Supported Production and Non Production installs
* Exposed the microservice REST service interface using Swagger UI.
* Created Jenkins jobs to enable CI/CD processes.
* Counseled systems analysts, business analysts, developers, testers and other teams on project limitations and capabilities, performance requirements and interfaces.

##### Environments/Technologies: Windows 10, RHEL 5.0, Apache Tomcat, Java (1.7, 1.8), J2EE, Spring Framework, Hibernate, REST WebServices, Jenkins, GIT, Redis, Swagger, Spring Boot, Oracle DB.

**Project # 2:** **Business Process Orchestration**

The BPO team is responsible for providing a central entry point to allow multiple business entities follow a workflow for account creation for fidelity investment customers. The end goal of the BPO services is to provide a central system to allow Fidelity Investments and other third party investment firms perform their account opening and transfer of assets processing in a simplified way without having to worry about the internal working of the backend systems used in Fidelity.

* Gathered Business Requirements for the BPO services for different business entities and organizations.
* Designed the data objects that will be used to retrieve and store the rule information in different backend systems
* Developed the Application Backend to communicate with the SOAP Web Services to fetch relevant rule data.
* Implemented ODM rules for iPad Money Movement Project.
* Designed and developed the CVA/SSR Application (a self-service) which allows business users maintain and enhance the ODM Rules for their application.
* Designed and implemented code versioning, build and deployment artifacts using GIT, Jenkins, uDeploy for multiple applications.
* Developed ODM Policies and Procedures Rules for the ARS, ACE and CAM projects in FI.
* Counseled on design of the Client Processing Rules and Service.
* Designed and implemented Release Management Tool for SSR/CVA System users to perform code versioning, build and deployment steps without having to interact with underlying infrastructure using AngularJS, JQuery to use REST based WebService to enable deployment of ODM rules maintained by business users.
* Designed and developed the database schema for storing release management process metadata and tracking details.
* Developed Rule Management Tool using AngularJS, JSP, JavaScript, JQuery and JavaScript based UI libraries.
* Developed and deployed microservices using SpringBoot.
* Counseled systems analysts, business analysts, developers, testers and other teams on project limitations and capabilities, performance requirements and interfaces.

##### Environments/Technologies: Windows 7, RHEL 5.0, IBM Websphere, Java (1.6, 1.7, 1.8), J2EE, EJB 3, Spring Framework, Hibernate, AngularJS 1.0, SOAP WebServices, REST WebServices, ODM 8.x, Decision Center 8.8.1, Jenkins, GIT, IBM uDeploy, Docker, PCF, AWS, Spring Boot.

#### Sabre-Holdings, Southlake, TX Aug’ 14 – July’ 15

**Role: Senior Java Developer**

**Project:** **Service Engine**

The Service Engine team is responsible for providing a central WebService to allow multiple Sabre Applications and Products access to information present in the Sabre Host and Data Warehouse. The end goal of the Service Engine team is to provide a central web service to allow Sabre Applications and Products perform their transactions without having to deal with the internal working of the Sabre Backend systems.

* Gathered Business Requirements for the Service Engine for different Sabre clients and Products.
* Designed the data objects that will be used to retrieve and store the product information
* Designed and developed the database tables to be used to store product information.
* Developed the Application Backend to communicate with the SOAP Web Services to fetch relevant travel data.
* Developed Service Engine Tool using JSP, JavaScript, JQuery and JavaScript based UI libraries.
* Counseled systems analysts, business analysts, developers, testers and others teams on project limitations and capabilities, performance requirements and interfaces.

##### Environments/Technologies: Windows 7, RHEL 5.0, Apache Tomcat, Java 1.7, J2EE, EJB 3, Spring Framework, Hibernate, SOAP WebServices, REST WebServices, Jenkins, Git.

#### Rent-a-Center, Plano, TX Jun’ 13 – Jul’ 14

**Role: Senior Java Developer**

**Project:** **Product Catalog**

The Product Catalog team is responsible for the applications used by the Rent-A-Center Store associates at to provide the customer information of the products available at the store for renting along with their availability and pricing information. The end goal of the Product Catalog team is to assist the Rent-A-Center Store associate to provide the best experience to the customer at the store and do business with them.

* Gathered Business Requirements for the Product Catalog application to be used by the store associates
* Designed the Application Framework based on Spring MVC.
* Designed the data objects that will be used to retrieve and store the product information
* Designed and developed the database tables to be used to store product information.
* Developed the Application Backend to communicate with the SOAP Web Services to fetch product information data.
* Developed the Application UI using JSP, JavaScript, JQuery and JavaScript based UI libraries.
* Counseled systems analysts, engineers, programmers, testers and others teams on project limitations and capabilities, performance requirements and interfaces.

##### Environments/Technologies: Windows 7, Internet Explorer 8, RHEL 5.0, IBM WebSphere, Apache Tomcat, GlassFish, Tibco BW, Google Search Appliance, Java 1.6, J2EE, EJB 3, Java Spring MVC 3.0 Framework, Hibernate, SOAP WebServices, Ajax, JavaScript, AngularJS, JQuery.

#### American Airlines, Fort Worth, TX Jul’ 11 – May’ 13

**Role: Senior Java/Flex Developer/Lead**

**Project:** **Airport Automation**

The Airport Automation team is responsible for the systems used in airports where AA is located for automating and simplifying the check in and baggage handling procedures. The SSM project is to make travel for AA customers easier by allowing them to reduce and automate the check in process without the help of the agents at the airport. By using new technologies like Near Field Communications, Mobile Apps, Iris Recognition the customers will be able to use the AA kiosks and self-service machines present at the airport easily to check in, make changes and upgrade their flight itinerary. The end goal of the SSM project is to let customers flying with AA have a hassle free journey from start to end.

* Developed the client module of the new version of CurbSide devices used at airports using Adobe Flex and Java.
* Designed and developed server systems to support new features provided in SSM devices.
* Worked with external team for re-design of SSM device user interface providing better customer experience and enhanced features.
* Modified SSMServer to provide new features to Citibank Privileged Customers using SSM devices at airport.
* Developed modules to communicate with SOAP services for user sessions.
* Designed and developed POC for Service Finder system integrated with smartphone app for personalized maps.
* Investigated new technologies and opportunities to create POC of SSM devices for better and faster customer check-in and service at airports
* Developed POC for using Kinect Sensor for detecting Security Gate lines and providing users quickest route to flight departure gate.
* Developed Android Apps for usage by baggage staff to co-ordinate baggage traffic.
* Created system for user sessions on SSM devices for usage analysis and planning.
* Developed EBJ modules using EJB 3 for SSM server sessions.
* Developed software system testing and validation procedures, programming, and documentation.
* Counseled systems analysts, engineers, programmers and others on project limitations and capabilities, performance requirements and interfaces.
* Reviewed and approved the design and development of software systems, using scientific analysis and mathematical models to predict and measure outcome and consequences of design.

##### Environments/Technologies: Windows XP, Java v1.4, Java 1.6, J2EE, EJB 3, Java Spring Framework, IBM Websphere, Hibernate, SOAP WebServices, JavaScript, Adobe Flex 4, Android 3.0, Rally.

**Amazon.com - Seattle, WA Jan’08 – Jul’11**

**Role: Software Development Engineer**

**Project # 1: Seller Feedback Systems**

Seller Feedback is used by Amazon.com to rate sellers based on the orders they have fulfilled. Buyers who have ordered from sellers are allowed to rate and leave feedback on the seller. Other buyers can decide which seller to buy items from based on this feedback which available publicly on the seller’s profile. Also Amazon.com calculates the seller’s performance based on their ratings score and also uses this data to qualify the seller for the buy box for 1-click purchases by buyers.

* Developed automated suppression process for seller feedback submitted by buyers based on feedback values (ratings, optional questions, comments)
* Used Map-Reduce to create automated system to analyze seller feedback quality based on feedback comments and optional questions to suppress seller feedback if it matches disallowed feedback patterns.
* Launched new seller feedback portal to allow buyer leave feedback for multiple orders helping to increase feedback participation rate.
* Developed OBIEE reports for feedback participation rate classified by region, week, month, seller tier, product categories.
* Migrated Seller Feedback systems from RHEL 3.0 to run on RHEL 5.0 handling package dependencies and code changes.
* Launched Seller Feedback systems for supporting collection, aggregation and display of seller feedback for Amazon’s China website
* Extended Seller Feedback systems to support new business merchant tiers.
* Created mobile App for fulfillment center associates for locating items while packaging orders.
* Supported Seller Feedback Systems during peak periods and during outage issues in Amazon systems.
* Provided on-call support to maintain systems and deal with operational issues.

##### Environments/Technologies: RHEL 5.0, RHEL 3.0, Windows XP/7, J2EE, Java, Java Swing, JDBC, Map-Reduce, OBIEE, Perl, Oracle, BDB, Eclipse, Mason, JavaScript, AngularJS AJAX, Android 2.0.

**Project # 2: SDE - Dispute Management Systems**

Dispute Management systems is used to process claims and chargebacks filed by buyers on orders at Amazon.com. Investigators in Amazon look into the various details of the orders before providing a resolution for the claims filed by customers and the Dispute Management systems hands the various process the claim has to go through for resolution and also automates steps that can be completed without human investigator work. For chargebacks, sellers are allowed to represent the chargebacks and Dispute Management Systems propagate the representations to the credit card companies to resolve the chargebacks along with automation of the steps not requiring manual intervention.

* Developed webpages, forms and required backend systems to allow sellers to provide representations for chargeback filed on their orders by buyers.
* Developed widget to allow sellers to see current claims and chargebacks filed on their orders on their Seller Portal homepage.
* Developed service to lookup domain data used for claim/chargeback systems.
* Maintenance and enhancement of existing Dispute Management applications.
* Migrated claim webpage forms for buyers to support new claim types and reasons.
* Added monitoring and automated alarms to send alerts for any service disruption or outages.
* Provided on-call support to maintain systems and deal with operational issues.

##### Environments/Technologies: RHEL 3.0, Windows XP, J2EE, Java, Java Swing, Perl, Oracle, Eclipse, CORBA, Mason, JavaScript, AJAX.

**American Airlines (ITS), Fort Worth, TX**  **May ‘06 – Jan ‘08**

**Role: Object Oriented Programmer/Analyst**

Origin Destination Analysis Data (ODAD) Team

The ODAD data warehouse team is responsible for maintaining tables for analysis of 5 years of flights and booking trends. Accumulating data from various sources and transforming and normalizing it to be used by various analysts to make business decisions for route creations, traffic analysis and flight demand.

* Developed and tested of new ODAD applications using C/C++ and SQL.
* Developed web interface to Revenue data using COGNOS APIs.
* Developed and maintained Issue reporting Website for ODAD team.
* Created COGNOS Reports for analysts to study flight demand and make business decisions.
* Maintained and improved of existing ODAD applications as per Analyst requirements.
* On-call support for ODAD data warehousing applications.

##### Environments/Technologies: Linux, Windows XP, C++, Java, Java Servlet, Perl, Informix, Teradata, Informatica, Cognos Reports, Eclipse, JavaScript.

**American Airlines - ITS MAPS Team Jun’05 – Aug’05**

**Object Oriented Programmer**

The MAPS project was an online portal for the Maintenance and Engineering department to maintain records or inventory and requirements for various purchase orders and servicing calls. The MAPS portal was created using JSP servlets and used the Struts Framework. It is currently being used by the M&E department to maintain inventory records.

* Development of web interface of the MAPS project using JavaScript, JSP, Struts.
* Maintenance of Issue reporting Website for MAPS team.
* Testing the MAPS project for defects and security bugs.
* Fixing any defects in the MAPS system.
* Reporting the status of the CRs and defects of the MAPS project.

##### Environments/Technologies: Windows XP, Java, JSP, JavaScript, CORBA, IBM Websphere, Java Struts, Hibernate.

**TxCDK (Texas Center of Digital Knowledge), SLIS, UNT, Denton, TX Aug ‘04 – Jun ‘05**

**Role: Systems Administrator and Java Developer**

TxCDK is a research group in SLIS, UNT researching new trends in Library systems and new digital knowledge systems

* Maintained production and research machines of TxCDK, involving system administration of Windows, Linux and Solaris Machines and protecting the systems from external threats by analyzing network traffic and logs.
* Designed and Developed the Electrical Engineering website and the TxCDK website using **JSP, JavaScript, Session Beans, Flash**.
* Developed a web interface for the research team in SLIS to access the database system.

##### Environments/Technologies: Solaris, Windows XP, HTML, JSP, JavaScript.

### IBM (ISL), India Jul ‘03 – Jul ‘04

**Role: Software Programmer**

#### IBM Tivoli LDAP Server

As a part of the IBM Tivoli LDAP Server Team, was involved in the networking, development and maintenance of version 5.2 of IBM Tivoli LDAP Sever and the other server machines.

* Creation on the Web Front End for the IBM LDAP 5.2 server administration using JavaScript, JSP,
* Testing of the IBM LDAP 5.2 Server and client Backend using Automated Testing Framework written in PERL, shell scripting.
* Fixing bugs in the IBM LDAP 5.1 Server and client.
* Maintaining the ITDS server systems.

##### Environments/Technologies: IBM OS/2, Solaris, HP Unix, RHEL, Windows XP, HTML, CORBA, JSP, JavaScript, IBM Tivoli LDAP Server, IBM Tivoli Suite, IBM Lotus Suite.

#### IBM LDAP Aug’ 02 – Jun’ 03

**Role: Java Programmer**

As a part of the Client side team of the IBM LDAP team, was involved in creation of a DSML-LDAP client interface to the LDAP 5.1 server. The DSML client would allow the LDAP server to be accessed from a web browser, standalone application and also mobile devices like a PDA or a cell phone.

* Designed, developed and tested the GUI for the DSML-LDAP client for mobile devices using J2ME.
* Designed, developed and tested the standalone application for the DSML-LDAP client using J2SE.
* Designed, developed and tested the interface server for the DSML- LDAP using J2SE, SOAP, SAX/DOM Parsers.

##### Environments/Technologies: RHEL, Windows XP, HTML, JSP, JavaScript, IBM Tivoli LDAP, DSML, SOAP, J2ME, Rational Rose

## EDUCATION:

**Masters’ Degree in Computer Science. GPA 4.0**

University of North Texas, Denton, TX. (Aug04 – May06)