

Sundarrajan Vyas

Software Engineer - JPMorgan Chase

Columbus, OH - Email me on Indeed: indeed.com/r/Sundarrajan-Vyas/83da4abec4ff1d9a

WORK EXPERIENCE

Software Engineer

JPMorgan Chase - Columbus, OH - July 2015 to Present

Subject matter expert and lead developer for the ESCROW suite of applications used by Mortgage Banking department in JPMorgan Chase. Co-ordinated gathering requirements from business users and developed/modified ESCROW related software suite housing multiple applications.

Managed offshore teams in India and Manila that designed and developed modules based on requirements that my team designed. Provided solutions for high priority issues within expected SLAs. Managed the production release cycle for up to 8 applications.

Provided data modelling and dependency architecture reference documents for ESCROW application suite that is used across the JPMorgan Chase banks in North America.

Engineer for presale review application suites.

Engineer for due diligence reporting application suites.

- Involved in requirements gathering, design, development and implementation including training to the client employees.
- Defined the web service architecture API calls
- Utilized Spring Core, Spring MVC modules using Annotations and AJAX.
- Front end development using HTML, Java Script, and CSS.
- Used Hibernate as ORM tool to manage data and ORACLE database.
- Automated unit testing done using JUnit.
- Created architecture design documents and data flow using Visio.

Environment: Java, JSP, JavaScript, Servlets, JDBC, Spring 2.0, XML, Eclipse, Apache, Tomcat, Oracle 10g, MS Visio, Hibernate - 3.0, Spring.

Software Design Engineer

Amazon Inc - Seattle, WA - June 2014 to June 2015

Part of the Amazon Wireless team responsible for integrating with wireless carriers in Europe (UK and Germany).

Responsible for building the platform and infrastructure for integrating with business partners for selling phones with contract on Amazon.com.

Made use of AWS - Simple workflow engine to trigger business logic.

Storage and management of sensitive data on AWS cloud (S3).

Redesigned and prototyped system to calculate commissions that reduced increased storage efficiency by 66% and improved access time.

- Design and development of system based on J2EE specifications using Java.
- Used J2EE Design/Enterprise Integration patterns and SOA compliance for design and development of applications.
- Involved in the application development using Spring Core, Spring O/R and Spring MVC modules.
- Application development using Java web based technologies such as Servlets, JSP, Java Web Service (REST/SOAP based), WSDL.

- Developed the HTTP based Web Service Client which calls up the existing web service to get the application related data which comes in XML format.
- Used Hibernate as Object Relational (OR) Mapping Tool for the backend data persistency.
- Extensively used the Hibernate Query Language (HQL) for data retrieval from the database and process the data in the business methods.
- Extensively tested the code using J-Unit test.
- Used agile methodologies and test driven development.
- Unit test the code to ensure that it is aligned with technical and functional objectives.

Environment: Java, JSP, JavaScript, JMS, Weblogic, JNI, Servlets, JDBC, Spring 2.0, XML, My Eclipse, webMethods 6.5, 7.0, Apache, Tomcat, Oracle 10g, Rational Rose, Hibernate - 3.0, Spring.

Software Engineer

Samsung Research America - Dallas, TX - November 2012 to May 2014

Server Solutions Lab

Integral part of the Server Solutions Lab responsible for building firmware for Samsung's research offerings providing SNMP, IPMI, FCAPS modules and device drivers development

Worked in Java/Python in a Linux platform.

Designed and developed hardware Configuration management in accordance with Network elements specifications.

Designed and developed device abstraction layer (DAL) over the device drivers for hardware from multiple vendors.

Designed and implemented hardware simulator in c++ with configurations being stored as json.

Used SWIG to wrap C++ APIs into python APIs for ease of access by the web backend modules.

Built a custom logger framework for debugging purposes.

Used protobuf for IPC mechanism.

- Design/Implementation of a generic SNMP management Service for SMMS capable of handling SNMP traps from multiple vendor sources.
- Integration of ARM based node agents into the management system.
- Created and implemented plugins for vendor specific hardware to interface with the device abstraction layer.
- Designed and implemented IO management features for network and storage elements.
- Integration of IPMI standards with the management framework.
- Performed benchmarking on various aspects of AWS and Rack Space's cloud offerings.
- Worked on Server storage using non-volatile memory with various data placement strategies.
- Modifying/adding to linux kernel to support storage optimizations including Quality of Service.
- Research work in distributed fault tolerance.

Environment: Eclipse, JSON, Python, STL, BOOST lib, UNIX, ORACLE 10, VMware, KVM, VirtualBox, X86, ARM

Software Developer

Blockbuster Inc - McKinney, TX - October 2011 to October 2012

- System based testing in WMS Viaware before the Go-Live process and assisted in UAT process as well.
- Testing using GUI and PUTTY for all areas of Distribution center from Receiving to Shipping and retrieving the History of Transactions.
- Provide feedback to On-site IT team for any modifications to Viaware.
- Technical writing of Methods and procedures for all departments within the DC per ISO 9001 Specification.

Software Developer

Infosys Ltd - Bangalore, Karnataka - April 2010 to September 2011

Worked on offshore projects for Infosys for leading international clients. Designed/tested software prototypes that were used as proof of concept designs.

- Created database design using MySQL.
 - Developed Data Source(DSN) to connect to database using ODBC driver connectors.
 - Utilized tools like DAO, ADO, & Data bound controls.
 - Used Web services to access data from server side.
 - Worked with Secured protocol "HTTPS" using CXF.
 - Web site design and development using core Java tools Jdk 1.2, JSP, Java script, Servlets and HTML.
- Environment: Visual Basic, MySQL, ODBC, DAO

EDUCATION

Bachelor in Information Technology

Anna University

ADDITIONAL INFORMATION

Technical Skills

Languages Java, C, C++, SQL, PL/SQL, Unix

Java/J2EE Technologies

J2EE, EJBs (Session, Entity and Message-driven beans), JMS, JNDI, JDBC, JSP, Servlets, MVC, Struts 1.1/1.2, Spring, Hibernate, AJAX, LOG4J, RMI, JUNIT

IDE Tools Eclipse [...] RAD 6.0/7.0, Net Beans [...] Toad, SQL*Plus, Ant, Maven, MyEclipse, MySql Workbench, SQLyog, RationalRose

Web Technologies JavaScript, HTML, DHTML, XML, XSL

Design Methodologies Object oriented (OOA/OOD), Client-Server, UML, SDLC, MVC

Databases Oracle 8i, Oracle 9i, Oracle 10g, MS SQL Server2000, MySQL, DB2

Version Control Tools Rational Clear Case, Visual Source Safe

Application/Web Servers Apache Tomcat 5.0/5.5, JBoss [...] IBM Websphere 5.x/6.x,

Operating Systems MS Windows [...] UNIX, MS DOS