**VATHSALYA SANGAM**

Sr. Software Developer

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Experience Summary

* Over twelve years of software experience in design, development and support of business applications using in Java, J2EE technologies.
* Experience is developing **enterprise web portal** applications and **JSR-286** based **portlets.**
* Involved in the **full life cycle** (**SDLC**) of analysis, designing, developing, testing, installing, configuring and maintaining applications.
* Experience in developing web applications using **Struts, Spring, Spring boot, spring security Hibernate and JPA** technologies and **tomcat** and **JBOSS** application servers in **UNIX** environment.
* Experience with implementing **REST Micro services in Spring boot**
* Experience with **Amazon Web Services including EC2, S3, IAM and VPC**.
* Knowledge with other **AWS s**ervices- **EBS, EFS,** **Cloud Front, Cloud watch, SQS, SNS and Lambdas.**
* Developed rich UI applications using SPA framework **Angular JS and Bootstrap CSS**
* Developed **RESTful web services** using JAX-RS API and clients using **Apache HTTP client.**
* Experience in working with **SAP BO XI 3.1 java SDK** to perform reporting functions.
* Experience in using **J2EE design patterns** including Singleton, Factory, Façade and DAO patterns.
* Experience with **Rabbit MQ , AMQP and JMS Messaging services**
* Developed code to implement authentication **using JNDI and LDAP**
* Experience in writing **SOAP Web Services using Apache CXF** framework and **JAX-WS API.**
* Experience is developing **RIA applications** using **GWT based Vaadin** Framework and **Liferay**
* Experienced in writing various **SQL queries** and **stored procedures in Oracle, Postgre SQL, MY SQL, MS SQL Server databases**
* Very good experience in working in **UNIX** environments.
* Experience in working with **Agile and Water fall** methodologies.
* Effective result-oriented team player with excellent communication and interpersonal skills.
* Oracle certified Java SE 7 Programmer

Technologies

J2EE Technologies JSP, Servlets, JSR 286 Portlets, JSTL, Design Patterns,

JNDI, EJB, JDBC, Hibernate, XDoclet, Send mail, Web Services

Web Frameworks Spring 3.5/4, Spring Boot, Struts, Angular JS, bootstrap

ORM frameworks Hibernate, JPA

Java script Angular JS, React JS, JQuery, DWR, Prototype JavaScript API, Scriptaculous, Bootstrap CSS

Web Services Apache CXF, SOAP Web services, JAX-WS, Spring

Databases Oracle,Postgre SQL, MY SQL, MS SQL Server

Web Servers Tomcat 5.x, WebSphere 5.0, Weblogic 7.1/8.1, JBoss

XML Technologies JAX-RPC, JAX-WS, JAXB 2.0, SOAP 1.1, WSDL, STAX Parser, XSLT

Version Controls CVS, SVN

Operating Systems UNIX, Windows NT/2000/XP

Other Decorators Framework, Ant, Maven, Shell Script, phmyadmin for MySQL, SOAP UI, SVG1.1

Education

* P.G. Diploma in Computer Information Systems - Kingston College, BC, Canada -2006.
* B.Tech in Information Technology - University of Madras, Chennai-2003.

Project Experience

**Energy Transfer**

**Contractor Feb 2020- present**

**Project: Messenger plus**

* Responsible for converting the legacy java swing application to Web Based portal using **Java 8, groovy, Spring, Spring boot, Postgre SQL and MS Sql Server.**
* Creating the back end server code using **Java, Groovy and Spring framework**
* Developed ORM entities using **Hibernate** framework
* Developing RESTFul APIs and controllers using **Spring MVC**
* Creating **stored procedures in MS SQL Server** and integrating with SSRS reporting system
* Created SQL queries and stored procedures with **PostgreSQL** Database
* Developing applications with spring boot

**IT Environment**:, Java 8, Spring, Spring RestFul API, Spring boot, Hibernate, MS SQL Server, Postgre SQL, Groovy, PL SQL HTML, CSS, JSP

**AT&T May 2014 – Jan 2020**

**Sr. Software Engineer**

**Project: DDos Defense Portal**

**MSS - Solution Fit Portal**

**URL Blocking tool**

* **Experience with all phases of SDLC**
* **Developed security web portals using Java, J2EE, Spring and Hibernate technologies.**
* **Efficiently developed web applications quickly with Spring Boot**
* **Designed and developed core module of the application including workflow handler, a central REST API controller and project’s custom exception handling mechanism.**
* **Implemented the customer portal using React JS library and bootstrap**
* **Leveraged Angular JS MVC framework and Spring framework -web MVC and spring security modules for complete end to end integration.**
* **Implemented Micro services using REST API with Spring boot**
* **Implemented the function to send and receive AMQP messages on RabbitMQ**
* **Worked efficiently with the team to develop rich styles using Bootstrap css and HTML.**
* **Implemented graphs using jQuery flotcharts API to display the traffic information at the different scrubbing devices in at&t backbone.**
* **Implemented java API to perform LDAP Authentication using JNDI services**
* **Using jQuery to pull graph details and submit the forms**
* **Integrated with other non-java applications using RESTFul API with Spring3.2 and SOAP API.**
* **Optimized and de normalized the legacy code for better performance and maintenance**
* **Work with lead architects and other module leads for development and project release items.**

**IT Environment**:, Spring 3.2, Hibernate, Spring RestFul API, React JS Angular js, Bootstrap,flotcharts 0.8.3, JAXB 2.0,JDBC, Xdoclet, Tomcat, DWR, Sitemesh and Decorators framework, MySQL, UNIX, Shell Script, ANT script, send mail, SVN, JavaScript, DWR, DOM, Prototype framework, Scriptaculous framework, HTML, CSS, JSP, JSTL.

**Compuware Corporation, Lexington, MA Aug 2011 - May 2014**

**Software Developer**

**Project: Application Performance Management –APM**

* **Significantly contributed to the development of Compuware’s SaaS based enterprise portal called APM –Application Performance Management.**
* **Implemented reporting module in the APM product.**
* **Designed and developed Vaadin Rich Internet portlets using JSR286 specification.**
* **Developed RESTFul services using JAX-RS API and clients using Jersey client and apache HTTP client.**
* **Experience with Rabbit MQ and Quartz scheduler, a scheduling service.**
* **Very good experience with Spring 3.0 framework and Hibernate.**
* **Developed SQL queries and stored procedures for business operation.**
* **Integrated the UI layer with the SAP Business Objects XI 3.1, the backend for reporting module.**
* **Developed the service layer API using SAP Business Objects 3.1 java SDK.**
* **Generated APIs BO XI 3.1 java SDK to schedule, publish, edit, delete, pause, resume and various other reporting functions.**
* **Implemented Internationalization for the product to support Japanese, Spanish and Korean languages.**
* **Designed and developed dynamic UI interfaces to support various kinds of reports with different input parameters.**
* **Provided on time deliveries in the fast-paced Agile environment.**
* **Improved the performance of the portlets with non-blocking thread implementation.**
* **Developed user guides, help sections, interface design diagrams and supporting documentation for the product.**

**IT Environment**: Vaadin 7,Spring 3.0, Hibernate 3.x, Jboss6, Liferay 6.1, Apache CXF , SOAP Web services, RESTFul services, JAX-RS API, JAXB 2.0, JDBC, MS SQLServer, UNIX, Shell Script, ANT, Maven 2, send mail, SVN, JavaScript, HTML, CSS, JSP, JSTL ,Rabbit MQ, Quartz scheduler.

**American Software Consulting Inc., Phoenix, AZ Aug 2007 – Aug 2011**

**Programmer Analyst**

**Client: AT&T, Chicago, IL - Contractor**

**Project: MSS (Managed Security Services) - DDoS Integration Server:**

**Project: IRSCP (Intelligent Route Service Control Point) – Application Manager:**

* Develop security web portals for MSS-NBFW service and solution fit applications.
* Develop the GUI interfaces and back end implementation for AT&T web portals using Spring framework and Hibernate.
* Implement the Decorator’s framework to maintain same look and feel across all the pages of the application.
* Integrate solution fit application with other AT&T internal services including GPS (Global Provisioning System) and SSPP (Streamlined Services Provisioning Platform) using JAX –WS Web Services and Apache CXF framework.
* Implement WS-security username token authentication for Web Services authentication.
* Develop the scheduled weekly and daily cron jobs to update the customer information from the data obtained from the Siebel eCRM (Enterprise Customer Relationship Management) application.
* Create and execute SQL queries to for the back end interaction using Spring’s JDBC template.
* Work in performance tuning of solution fit application and improve the overall performance of the application significantly.
* Generate reports using heavy SQL operations and optimize various SQL queries for better, faster and more accurate results.
* Implement attribute oriented programming using XDoclet to generate mapping files for various POJO classes.
* Create reports and send the reports as inline content and attachments with emails using JavaMailSender.
* Use AJAX extensively using DWR to make asynchronous calls to the server.
* Document the application user guide, and unit test results to pass on to other teams.
* Used SVN version Control System.

**IT Environment**:, Spring 2.5, Hibernate, JAX-WS API, Apache CXF 2.2 Framework, JAXB 2.0,JDBC, Xdoclet, Tomcat, DWR, Sitemesh and Decorators framework, MySQL, UNIX, Shell Script, ANT script, send mail, SVN, JavaScript, DWR, DOM, Prototype framework, Scriptaculous framework, HTML, CSS, JSP, JSTL.

**Boden Inc, Somerset, NJ Jan 2007 – Aug 2007**

**Programmer Analyst**

**Client: Verizon Telecommunications - Contractor**

**Project: NTARS**

* Worked actively in AOS module, through which EA customers could create master circuit and riders between different components in an MC.
* Created the GUI screens in JSP and provided the business logic in Java.
* Developed the circuit and its components and five different topologies with SVG (Scalar Vector Graphics).
* Worked actively in XML parsing using SAX parser to populate the response XML data in GUI.
* Worked on generating XML with circuit component details based on XSD for each screen.
* Implemented JavaScript to provide validation for JSP pages and to dynamically generate the table based on network topology chosen.
* Created application server instances for deploying servlets and JSPs on BEA Weblogic 8.1 Server.
* Worked effectively on making CEM (Common Enterprise Middleware) calls to back end to send XML.
* Implemented applications in MVC framework using Struts.
* Developed Controller using Action servlet and Action mapping provided by Struts framework.
* Used CVS extensively as a version control mechanism.
* Used JUnit to develop the test cases for the application.

**IT Environment**: Struts Framework, JDK 1.4, JSP, JavaScript, XML, SAX Parser, CORBA RMI, CEM, BEA Weblogic 8.1/9.2, SVG1.1, CVS, XML, HTML, DHTML, JUnit, Informix, Solaris, UNIX

**New B Solutions, Waterloo, ON, Canada Jun 2006 – Dec 2006**

**Business Application Programmer**

* **Implemented the Web Services Integration of Java Systems with People Soft HRMS systems**
* **Analyzed and optimized the SQL queries in the existing systems with Oracle database.**
* **Generated reports for various business requirements using SQL queries and stored procedures.**
* **Involved in performance tuning of Java applications and reviewing & analyzing the performance reports from PS HRMS teams.**
* Developed all JSP pages for Vendor module and used Ajax for dynamic web pages.
* Wrote the SQL queries, procedures and triggers.
* Used Rational ClearCase as version control system and Rational Purify to find Java memory leaks.

**IT Environment**: Struts, Java (JDK 1.4), J2EE 1.3(JSP 1.2, Servlet 2.3, EJB 2.0), Spring framework, Hibernate, MQ Series, CSS, AJAX, XML, XSLT, SAX Parser, HTML, DHTML, JUnit, DBunit, JavaScript, JSF, SOAP, Rational ClearCase, WebSphere, Maven, Rational Rose 2000, DB2, RAD 6.0, UNIX