**Adithya K**

**Sr. Java/J2EE Developer**

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**Professional Experience**

* More than **8+ years of experience as a Java developer** with good experience in **analysis, design and development of web centric Object-Oriented applications using Java, JEE (Java Expertise Edition), AngularJS, Struts, EJB, Hibernate, Spring, Servlet, JSP, JDBC, JMS, XML, JAXB, JAX-WS, XML (DTD, XSD, XSL), JavaScript, Oracle & PL/SQL**.
* Strong experience in **Microservices**, **java8**, **ReactJS**, **Aws**, **OpenShift**, **docker**, **Kubernetes**, **PCF.**
* Have experience in creating CICD pipelines from scratch using Jenkins in both declarative and scripted pipelines usage.
* Strong knowledge of **algorithms** and **data structures** to solve complex business problems.
* Have experience in usage of the tools like **Sonrqube**, **Checkmarx**, **Blackduck**, **Aquasec**, **lambok**, **maven**, **gradle**, **postman**, **katalon**, **perfecto**, **quantum**, **TestNG**, **junit** etc,
* Good exposure to **Java** web and client server development with knowledge in all the phases of the **life cycle of the software (SDLC)** including **requirement analysis, design, coding, testing, deployment, change and configuration management, process definitions and documentation**.
* Hands on experience in developing applications using **Core Java, J2EE, JSP, Servlets, Java Beans, JDBC, XML**.
* Created custom directives in **Angular JS** for re-usable components **(multi-field form elements, background file uploads, etc.). Skilled in making AJAX calls using JQuery**.
* Extensively used the **JavaScript** frameworks like **JQuery** and **Angular JS**. Good understanding on **JavaScript framework like Bootstrap**.
* Developed applications in **J2EE** using and **Struts MVC** based architecture, and Dependency Injection Business logic was built using **Servlets and Java Beans**.
* Experience in **Web services** like **RESTful & SOAP** implementations.
* Strong exposure and experience in **DevOps** Tools like **Jenkins, GIT, STASH, JIRA, and Confluence.**

**Things worked on:**

**Fifth third Bank:**

Created a whole new microservices based springboot application for the Commercial Account Opening Team. This is customer facing application using java8 backend React frontend. Created single page application.

Implemented Oauth2 on springboot for api security for restricting access of apis to the third parties

Created a whole new CI/CD from scratch by maintining the compliances of org. integrated tools like sonarqube, cm,bd for pielines. Created a build time test automation framework for the microservices.

Microservices deployed on to cloud Kubernetes cluster which is having AWS EC2 instances as nodes.

**MasterCard:**

Involved in migration of monolith spring app to design driven microservice app. Used PCF for the deployment and scaled current infrastructure which is handling 500 TPS to 1500 TPS.

**Technical Skills:**

**Java/J2EE Skills :** JSP, Servlets, EJB, JDBC, JSP Taglibs, JavaBeans, RMI, JNDI, JMS, Struts 2, MVC, DAO, Tiles, IVY, Velocity Templates, XML, XSLT, SAX, DOM, UML, JUnit, ORM (Hibernate), CVS, Springs.

**Web Services :** XML, SOAP, UDDI, WSDL, RESTFULL, JSON, RMI and spring

**IDE :** Eclipse 3.0, 3.1, MyEclipse 4.1, RAD 6.1, 7.5.5, 8.0 and RSA 8.0

**Web/App Servers :** WebSphere 6.1/7.0, JBoss 4.0, Tomcat 5.0, 6.0, 7.1, Sun Java System Application Server (Sun ONE Application Server), Weblogic 8.1, Glassfish 4.0, Jboss EAP, Jboss Fuse, Jboss Studio Developer

**Databases & Query :** SQL Server 2008, Oracle 10g/11g, Oracle 10g/9i/8i, DB2 UDB, NoSQL, MS SQL Server 2000, MS-Access, MySQL, DB2

**Web Designing :** HTML, DHTML, CSS, JavaScript, Ajax

**FRAMEWORKS :** Spring 3.2, Spring Security, EJB, Hibernate 4.0, OOAD, MVC, Mockito, UML, J2EE Design Patterns

**TOOLS :** Apache Axis, Rational Rose, VSS, WinCVS, Tortoise SVN, Rational Clear Case, Clear Quest, Apache Ant, XML Spy, TOAD, GitHub, putty, SQL Developer.

**Methodologies :** Agile (XP, Scrum), Rational Unified Process (RUP), Waterfall, Kanban

**Server Scripting :** JSP1.2, 2.1, JSP-EL, JSTL, Custom Tags

**Client Scripting :** JQuery 1.8, 1.9, JQueryUI, Junit, Dojo, ExtJS, AngularJS, Javascript, CSS2, CSS3, HTML4, HTML5

**Operating Systems :** Windows XP Windows 2000/2003/2008 R2/7/8, UNIX, Linux, Solaris, AIX 5.3

**Professional Experience:**

**Client: Fifth third bank Cincinnati, OH Sep 2018- Present**

**Role: Java Full stack developer (Lead Full Stack Developer)**

**Description:** Migration of monolithic spring application to springboot onto **AWS (microservices and Netflix)**

**Responsibilities:**

* Used to Conduct analysis, designs products, and programs computer software which require extensive research
* Typical background for this position is advance study/knowledge in the field of computer science or software engineering along with advanced knowledge of software development and methodologies.
* Have previous experience in creating web applications using **PWA** (Progressive Web Apps) concept.
* Used tools like Angular, lighthouse maintain some features in offline mode to have consistent user experience and maintain **PWA** standard.
* Worked on **CI/CD** for the project from beginning like setting up Jenkins jobs, **Kubernetes**, **docker**, build test automation etc.
* As part of the **CI/CD** involved in creation of the pipeline’s quality check points like **checkmarx**, **blackduck**, **sonarqube** for the improving the quality of the project.
* Proficient in **JAVA**, **spring** and **web development**.
* Have prior knowledge of legacy development environment.
* Used Docker in our current micro services based application.
* Team: As part of one of the big initiative to migrate service apps from **V3**to **Raptor**, **Raptor** Framework team is tasked with building migration process, tools and utilities as highest priority.
* Used **Angular.js, JQuery, JSP, Html5 and CSS3 for UI development**.
* Built **Restful Services** to generate configurations & fetch data from database.
* Docker container deployed on to the EKS Amazon managed kubernetes cluster. This whole system is monitored by the redhat openshift
* Using **GO**, developed a microservice for reading large volume of data(millions) from PostgreSQL database.
* Designed configurable **REST** APIs on demand using Go. Worked on numerous go frameworks like gin, revel, beego.
* Good understanding of Design Patterns, Multithreading and **GO** containers. Well versed in using Channels and goroutines.
* Set up a **GCP** Firewall rules in order to allow or deny traffic to and from the **VM's** instances based on specified configuration and used **GCP** cloud **CDN** (content delivery network) to deliver content from **GCP** cache locations drastically improving user experience and latency.
* Setup GCP Firewall rules to allow or deny traffic to and from the VM's instances based on specified configuration and used GCP cloud CDN (content delivery network) to deliver content from GCP cache locations drastically improving user experience and latency.
* Developed **test cases** and performed **unit test** using **JUnit Framework**.
* Involved in intense **User Interface (UI)** operations and client-side validations using **AJAX** toolkit.
* Developed application using **Struts MVC, JSPs, Jquery and AJAX** on the presentation layer, the business layer is built using struts and the persistent layer uses **SQL** with **WebLogic Application Server**.
* Developed **UI** using **HTML 5, Bootstrap, Jquery, and JSP** for interactive cross browser functionality and complex user interface
* Created a **Front-end** application using **JSPs, JSF, Swing, ExtJS 3.0, GWT and Spring MVC** for registering a new patient and configured it to connect to database using **Hibernate**.
* Used **ANT build Scripts** for generating the backend dependency classes using the shared **WSDL**.
* Created the Service **WSDL’s** for the finalized set of services with the corresponding operations and designed the Corresponding **SOAP-UI Test Cases**.
* Testing is done through **Test Driven Development (TTD)** using **JUnit**.
* Configured and created application log files using **Log4j** required to trace application messages and **PVCS** for Version Controlling.
* Developed and maintained **MAVEN** scripts for build purposes on testing and production environment.
* Top skills: Java proficiency, web development, spring, Rest.
* Involved in Test Script Reviews and Test script execution to check the functionality of the application

**Environment:** **Java 8, Spring, XML, REST, Json, Linux/Windows, SQL, Maven, Log4j, JUnit, ANT, TestNG,Spring boot, Html5, SOAP, Tomcat, MySQL, Docker, Microservices, MySQL, RESTful Web services, Eclipse, Ride**.

**Client: MasterCard O’Fallon MO Nov 2017 - Sep 2018**

**Role: Sr. Java Developer**

**Description:** Defines site objectives by analyzing user requirements; envisioning system features and functionality. Designs and develops user interfaces to internet/intranet applications by setting expectations and features priorities throughout development life cycle; determining design methodologies and tool sets; completing programming using languages and software products; designing and conducting tests.

**Responsibilities:**

* Proactively monitor the alert console to act on failure notifications.
* Review logs, reference documentation and use working knowledge of applications to either resolve production failures, or to become the “smart switch” that routes the incident to the correct tier II escalation contact.
* Developed presentation layer using **HTML5, HTML, JavaScript, CSS, less, JSON, Rest template, JSP, AJAX, Js-renderer, Bootstrap.js, Backbone.js, Marionette.js and Node.js in RSA** and deploy it using **Web Sphere Application Server**.
* Built **JAX-RS** and **Hibernate** application which allows **POS** to remotely send ticket printing and merchandise requests.
* Used **Drools** to handle complex business rules using Rule Sets and Rule Flows.
* Integrated the **Drools** and JBPM to application framework, which involved dynamic creation of knowledgebase and Knowledge session.

**Client: British Telecom, Hyderabad Mar 2015- July 2017**

**Role: Sr. Java Developer**

**Description:** BDAP is a new generation of application that leverages powerful analytics tools to derive insight and understanding from disparate structured and unstructured data. The data derived is enriched and analyzed during ingestion and categorized accordingly.

**Responsibilities:**

* Used **Agile Methodology** for the product planning and development.
* As a **Full Stack Developer** involved in back-end and front-end developing team. Took part in **designing, building, maintaining, reviewing and supporting quality code and services**.
* Used **Java-J2EE** patterns like **MVC, Front Controller, Value Object, Data Access Objects, Command Pattern and Singleton patterns**.
* Created tools to analyze the customer data using **Shell scripting, Python in Linux environment**.
* Used **Angular.js, JQuery, JSP, Html5 and CSS3 for UI development**.
* Built **Restful Services** to generate configurations & fetch data from database.
* Developed **test cases** and performed **unit test** using **JUnit Framework**.
* Involved in intense **User Interface (UI)** operations and client-side validations using **AJAX** toolkit.

**Client: UPS Facebook Canvas Application, Hyderabad Aug 2013- Jan 2014**

**Role: Java/J2EE Developer**

**Description:** The UPS Facebook Canvas Application provides user to Sign Up for UPS My Choice, track a package, and view inbound shipments using Delivery Planner. UPS Facebook canvas app users are the UPS customer users who registered on My UPS, signed up My UPS Choice and linked their Facebook ID with My UPS ID with UPS Facebook canvas app. The UPS Facebook Canvas app users can create them re-route group and date reminder groups, retailer promotions and offers, video meta-data etc.

**Responsibilities:**

* Developed application using **Struts MVC, JSPs, Jquery and AJAX** on the presentation layer, the business layer is built using struts and the persistent layer uses **SQL** with **Weblogic Application Server**.
* Utilized **Agile Scrum** to manage **full life-cycle** development of the project.
* Used **UML** and **Rational Rose** for making **Class diagrams and Sequence diagrams**.

**Client: BCBS Hyderabad Mar 2012 - Aug 2013**

**Role: Java/J2EE Developer**

**Project: SNS**

**Description:** The Strategic National Stockpile (SNS) is a large repository of pharmaceuticals, vaccines medical supplies and equipment. The purpose of the system is to have reserves of these items readily available to localities in case of a public health emergency. This is a Web based project developed in J2EE technologies. This project provides the users with information on available vaccines, pharmaceuticals and supplies etc. It also provides ability to order new supplies. Core J2EE patterns are used to provide high flexibility and performance.

**Responsibilities**

* Actively involved in **analysis, detail design, development, bug fixing and enhancement in agile methodology. Involved in daily scrum and sprint planning meetings.**
* Prepared the proof of concept by configuring the **spring and Hibernate** for various modules.
* Used **Hibernate** for **Object Relational mapping**.
* Implemented features like **logging, user session validation using Spring-AOP module**.
* Developed client request validations and processed using **JavaScript**.
* Used **Spring Framework** at **Business Tier and spring’s Bean Factory** for initializing services.
* Used **Session Beans** for **business logic**.

**Client: Proximus Hyderabad Sep 2011 - Feb 2012**

**Role: Software Developer.**

**Responsibilities:**

* Designed dynamic and browser compatible pages using **HTML, DHTML, CSS, jQuery and JavaScript**
* Provides multi-platform deployment and support for universal Internet browsers
* Integrated into a single portal using an adapter bridge
* Development of wireframes from the requirements analysis given by the requirements team
* Conversion of specifications into modules created using **Struts MVC framework**
* Controller & action mapping of action classes in **Struts-config.xml**
* Creation of low level designs using **UML** incorporating **OOAD**

**Education:**

Kakatiya university Btech Electronics 2011