**Karthik Kancharla**

**Sr. Java J2EE Developer**

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**Professional Summary:**

* **More than Six years** of experience with proven expertise in Fullstack development involving **Analysis**, **Design**, **Development**, **Testing**, **Implementation** of application software with emphasis on **Object Oriented**, **J2EE** and **Client Server technologies.**
* Experienced in developing web applications in various domains like **Telecom, medical, retail** and banking.
* Emphasis on web applications and N­tier enterprise applications built using **Core Java, J2EE, and** related frameworks.
* Extensive knowledge **in Core Java concepts like Multi-threading, Collections and Future.**
* Extensively involved in coding using advanced J2EE Frameworks such as **Spring, Struts, JSF**

**EJB, JMS, mule ESB, JDBC, JNDI, JSP, Servlets, Hibernate, SQL/PLSQL** and angular JS .

* Well-rounded experience.in Application Software Design, Object Oriented Design, coding, testing, implementation, deployment, maintenance and production support.
* Specialized in implementing business components using Spring based modules like **Spring**

dependency injection, Spring MVC, Spring ORM, Spring Batch and Spring AOP.

* Extensive experience in implementing web services API s in service layer using **Rest based services**, **JAX­RS** annotations and Jersey provider.
* Worked on Service Oriented Architecture (SOA) such as Apache Axis **web services** which use SOAP JAX­WS, WSDL and integration/message layer using **JMS, Web sphere MQ, Mule ESB.**
* Extensive experience in container managed Enterprise **Java Bean Components (EJB**) like Session beans, Entity beans and message driven beans.
* Good knowledge in C/**C++ and .Net.**
* Skilled in using ORM tools like **Hibernate** to implement DAO layer, handling transactions, implementing Create, Read, Update & Delete operations.
* Experience in using **GIT** and **SVN** for source code control.
* Extensive Knowledge in developing single page applications (SPAs) using various **JavaScript** frameworks like Node.JS, ExtJS and AngularJS.
* Have good knowledge in Java Script libraries like **DOJO toolkit.**
* Have good knowledge on Business Integration Software i.e., **MQ Series.**
* Extensively worked on **Java/J2EE** systems with different databases like **Oracle, My SQL, NO SQL and DB2.**
* Extensive experience working on ANSI **SQL, PL/SQL**, **Oracle Database** development experience using Tables, Triggers, Views, Packages and Stored procedures.
* Good knowledge of designing web interfaces using **HTML5**, **DHTML**, **XHTML**, **JavaScript**, **Coffee Script**, **AJAX**, **Bootstrap**, **XML**, **XSL**, **DTD** and **CSS3.**
* Experience in developing Client Side Web applications using HTML, **JSP**, **Groovy, JQuery**, **JSTL** and **Custom Tags** while implementing the client side validations using **JavaScript** and Server side validations using **Struts Validations Framework**.
* Extensive experience in build tools like **Maven, Ant and Gradle.**
* Handful of experience in **Test Driven Development (TDD)** and **Selenium testing.**
* Team Player with demonstrated ability to work fast and paced, challenging environment with excellent debugging and problem solving skills.
* Strong interpersonal skills, analytical ability, communication skills, writing skills, highly organized to meet the deadlines and ability to **grasp** and **adept** to the rising technologies.

**Technical Skills:**

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| --- | --- |
| **Operating Systems** | Windows, Linux, Unix, Mac OS. |
| **Programming Languages** | Java (JDK 1.5/1.6, 1.7, 1.8), HTML, Python, Perl, C++. |
| **Database** | Oracle 9i/10g/11g, MS Access, MySQL, Oracle/PL SQL developer. |
| **Scripting** | JSP, JavaScript, CSS, JQuery, AJAX, Apache ANT, Maven, Unix shell scripting |
| **IDE tools** | Eclipse­3.x, Net Beans, Rational Application Developer (RAD)­6, IntelliJ IDEA |
| **Web/App ­ Servers/EAI** | Apache Tomcat, Web logic Application Server, IBM Web Sphere, JBoss, Glassfish, IBM HTTP. |
| **Frameworks** | Jakarta Struts­1.2/ 2.0, Hibernate­2.0/3.0, iBatis, Spring ­2.X, 3.x, Servlets, JSP, JSF, SOAP, WSDL, REST, XML, JSON, EJB 2.x/3.x, JDBC, MVC. |

**Project Summary:**

**Autodesk Inc, San Rafael, CA** **April 2016 – Till Date**

**Sr. Java Fullstack Developer**

**Description**: Autodesk Inc is a design automation software company, with a variety of software products available in more than 85 countries. The software products include autodesk 360 cloud services, AutoCAD civil 3d, Maya and Revit.

As a Developer in the team, provide the object-oriented analysis/design, coding and testing of eServices application, which is developed using proprietary frameworks Internet Applications Framework (IAF) and Integrated Services Framework (ISF).The eServices are suite of applications provides services to Employers, Members and Internal Users via web applications.

**Responsibilities:**

* Analysis of the Business Requirement and Functional Specification documents.
* Used Rational Rose for User Case Diagrams, Activity Flow Diagrams, Class Diagrams, Sequence Diagrams, and Object diagrams in design phase.
* Managed the dependency between the classes by implementing **Spring’s IoC** to promote the loose coupling between them.
* Used Annotations like @Advice, based **Spring Framework** for auto wiring and injecting the required dependencies to implement business logic.
* Involved in writing the **AOP** concerns and implementing **DI** for the services and used Spring **MVC.**
* Designed and developed Aspects, Advices and Point cuts for logging and transaction aspects using **Spring AOP** and **Spring Batch.**
* Implemented code using **Collections and Future, Multi­ Threading and Core Java Concepts.**
* Developed Web UI or view components using **Spring Tiles, JSP, Java Script, Angular JS, CSS3, NodeJS, AJAX, Bootstrap,** custom tag Libraries.
* Used **Google Web Toolkit (GWT)** to create and maintain complex Java script front end.
* Used **JSF (Java Server Faces)** prime faces for building component based user interfaces for web applications.
* Developed Single Page Application using Angular 1.x
* Developed entity classes, **JPA** mapping files for the object relational mapping while configuring **JPA,** also developed **JPQLs** and Named Queries and wrote **Data Access Object (DAO)** to handle **JPQL queries.**
* Developed Backend Services implemented through SOAP Web Service and Integrated with presentation layer using HTML/CSS/JavaScript.
* Utilized JNDI architecture to coordinate processes between applications.
* Developed **SQL**, **JPQL** queries and **PL/SQL** stored procedures, functions, to interact with the oracle database.
* Worked with **AngularJS Forms**, **Validations**, **Modules**, **Factory Services, DOM, Events, Expressions, Directives, Controllers, filters, Http Request**.
* Involved in implementing **Java Transaction Management** using **JDBC.**
* Involved in consuming the **Web services** by generating WSDL and performed data exchange with the third party using **SOAP JAX­WS, XML**.
* Developed and designed Ajax based Prototype, JavaScript, **JQuery** and **AJAX** based UI frame work.
* Implemented Retrieval information services such as **Rest based services(RESTful)** using

**JAX­RS** annotations and Jersey provider.

* Used Apache CXF to build and develop services using frontend programming APIs, like JAX­WS and JAX­RS.
* Functionalities include writing code in **HTML, CSS, JavaScript, JQuery, JSP and JSTL tags**, making using of Bootstrap framework and testing the functionalities using **JUnit**.
* Implemented **JSON** is with Rest based **Web services**.
* Used J**AXP** for parsing **XML** documents and followed XML Schema Definition (XSD).
* Used **Maven** tool for the Project management and for the purpose of compile, run, deploy and to add external dependencies.
* Used Relational Database Management System (RDBMS) as Database Management System for Oracle.
* Involved in migration projects to **migrate data** from data warehouses on Oracle/DB2 and migrated those to **Teradata.**
* Development of widgets and plugins in JIVE, a Social Business Software, based on JAVA, as per client requirements.
* Involved in implementing presentation layer for single page applications using **Angular JS** directives, services and controllers.
* Experienced in **Unit Testing, Debugging, Remote Debugging, Integration and System Testing using Testing, JUNIT, Selenium and Jasmine.**
* Used Test Driven Development **(TDD)** to test the application.
* Used **facets** to streamline the project configuration.
* Used Java Architecture for **XML Binding (JAXP)** for **XML** binding.
* Used **SVN** for source code control.
* Involved in development of processes for various workflows.

**Environment:** Spring Dependency Injection, HTML, Java Script, JSF, Prime faces, JPA2, Oracle, Eclipse, Log4j, WebLogic Application Server 11g, Selenium Webdriver, **Multi-Threading , Jive, SQL, SOAP JAX­WS**, **RESTful**, PL/SQL, Rational Rose, **WSDL**, HTTP, Apache CXF, JAXP, JAXB, Teradata, AJAX, JNDI, XSD, GWT, Spring MVC, **Spring Batch,** Messaging and Interfaces JMS, XML, SAML, HTML5, NodeJS, TDD, JSON, SOA, Bootstrap, **Dojo, Eclipse IDE**.

**Optum Inc, Eden Prairie, MN Dec2014 – Mar2016**

**Java Fullstack Developer**

**Description**: Optum is a health information technology and services firm. It provides information and technology enabled health services to individuals, health care organizations and pharmaceutical companies.  
This Project is to develop a cost effective-Adaptable- Reliable-Efficient (CARE) web application that handles the operations of hospital easily.

This project covers the functionalities of Patient Registration, Doctor Details, Investigation, Ward Management, Out-Patient Management, Medical Record Management

**Responsibilities:**

* Involved in analysis, specification, design, and implementation and testing of Software Development Life Cycle (**SDLC**) for the new application.
* Followed the **Agile** methodology for the project implementation using **JIRA tool.**
* Involved in interaction with the business for requirement analysis.
* Involved in **JAD sessions** and worked on design of the application.
* Served as the point of contact for the middleware application which involves scoping of tasks, developing and assigning the tasks.
* Worked on developing the Projects, **Work Orders, Tech Initiatives**, analyzing and fixing the production issues.
* Implemented a python module to handle the text and language processing, and then build a small bridge in python that your java program can interact with.
* Involved in writing technical specifications.
* Implemented Retrieval information services such as **Rest based services (RESTful)** using **JAX­RS** annotations and Jersey provider.
* Used Apache **CXF** to build and develop services using frontend programming APIs, like **JAX­WS and JAX­RS.**
* Developed MVC architecture using Backbone.js
* Involved in building highly interactive portable widgets using HTML 5, CSS 3, and the latest AJAX libraries.
* Involved in **Java Transaction management** using spring.
* Developed the presentation layer with **JSF 2.0, Face lets, Rich faces, XHTML, Bootstrap, Java Script and CSS**, ExtJS and business layer using **spring (IOC, AOP), Spring Integration, caching** and persistent layer using **JPA2**.
* Developed enterprise-level JAVA applications utilizing **XML**, **JSON**, **RESTful**-**based** web services, **JavaScript**, **HTML**, **Angular** **JS** and a Modern UI framework such as **Bootstrap** **CSS**.
* Used Google Web Toolkit (GWT) to create and maintain complex Java script front end.
* Used RDBMS as Database Management System.
* Implemented **Teradata Macros** and used various Teradata **analytic functions**.
* Involved in writing the **AOP** concerns and implementing **DI** for the services and used Spring MVC.
* Involved in writing the code for **Service Oriented Architecture** (SOA).
* Worked with the **JAXWS web services** and worked on **SOAP**, **WSDL** to develop the web services.
* Designed UI with **JSF**, **HTML5**, **CSS3**, **JavaScript** and **JQuery** for more interactive web pages.
* Involved in making changes to the **WSDL** and generating the client jars.
* **JavaScript** was used for the client side validations
* Used **CVS** as version control tool.
* Developed the application using agile methodology and planned the Scrum meetings.
* Used **PostgreSQL** as database Server, which stores data securely.
* Involved in handling **JPA2** as part of DB connectivity and writing **HQL** queries.
* Worked on writing the **JUNIT** test cases for unit testing
* Involved in Sprint automation tasks using **Selenium Web Driver** and Java. Developed scripts using Selenium to do the cross browser web testing..
* Identified numerous user interface and Functionality defects and caveats in the Functional Requirements that were addressed prior to **User Acceptance Testing** (UAT).
* Built and deployed the code to the **IBM Web Sphere** application server.

**Environment**: J2EE 1.5, JavaScript, Bootstrap, JSF 2.0, Facelets,Backbone.JS, Rich faces, Spring 3.03, Spring Integration, JPA2, Design patterns, IBM Web Sphere 7.0/8.0,Selenium Webdriver, RAD 7.0/8.0, HTML5, MVVC, Messaging and Interfacing MS, multithreading, Spring MVC, strap, Teradata, RDBMS, SQL Server, JUNIT,

**TDS Telecom, Chicago, IL Oct 2013 – Nov 2014**

**Java Fullstack Developer**

**Description:** TDS Telecommunications Corp. (TDS) is the seventh largest local exchange telephone company in the U.S. Headquartered in Madison, Wisconsin. TDS offers telephone, high­speed Internet and TV services in 32 U.S. states. The project provides different services Order, Monthly Invoices , Total Revenue, Change Request's and enhance the performance of the wireless service application.

**Responsibilities:**

* Understanding business objectives and implementation of business logic.
* Involved in various phases like design and development of Software development life cycle(SDLC)
* Used Rational Rose for the user case Diagrams, class diagrams and sequence diagrams to

represent the detailed design phase.

* Used **JIRA tool** and developed the application using agile methodology and planned the Scrum meetings.
* Used **React JS** for search engine optimization and worked with different components in implementing the web application for internal purposes.
* Server­ Side implemented on **J2EE, Eclipse platform**
* Designed and developed the UI using Swing, JSP, **HTML5**, CSS3, JavaScript (JQuery), and Flex builder.
* Designed and developed application based on Struts framework using **MVC** design patterns.
* Used tiles Plug­in to struts for server side validation.
* Sockets are used to communicate two computers over the network protocol.
* Used RMI to communicate remotely between the application using two objects stub and skeleton. **RMI** is strictly used in Java, hides much of the network specific code. **RPC** is used for remote procedure calls outside java.
* Developed complete business tier with stateless, Stateful session beans and CMP entity beans with EJB 2.0 standards.
* Responsible for development of the functionality using **Struts** framework
* Used **Hibernate** to store the persistence data into the DB2 database and written HQL to access the data from the database.
* Used JMS for communication with different platform.
* Used SNA server built in ODBC to access database on Mainframe.
* Used Apache iBatis as the persistence framework to automate mapping between SQL and Java objects.
* Applied the session façade, Data Access Object, Data Transfer Object, Business Delegate

design patterns.

* Developed and maintained user authentication and authorization by employing EJB and connecting LDAP server.
* Provided database interface using **JDBC** drivers with back­end as **DB2.**
* Used Statement, Prepared Statement and Cal label Statement classes for implementing the database interface.
* Using Teradata as a database source
* Used **IBM DB2** with the functionalities of the database administrator as the backend database.
* Developed automated **build files**, reporting and documentation using **Maven.**
* Monitored the error logs using **Log4J** and fixed the problems.
* Involved in testing the UI applications.
* Developed UI Screens using HTML 5, CSS3 and SASS.
* Used Quality Center to track and report system defects.
* Involved in testing the XML files and checked whether data is parsed and loaded to staging tables.
* Worked with QTP to create, manage and execute Test Sets.
* Maintained **QTP Test** Libraries and executed Test Plans.
* Automated the regression test cases using the **Selenium & TestNG.**
* Maintained the source code versions in **CVS** repository.
* Used JUnit Testing Framework for performing unit testing.

**Environment:** Swing, HTML5, CSS, Struts 2.0, Hibernate, JSP 2.0, JMS 1.1, JBoss 4.0, EJB 2.0, Eclipse 3.1, JDBC, XML, ReactJS **XSLT**, **LDAP** server, SMTP, Selenium Webdriver, DB2, JIRA, Flex builder JavaScript, CSS3, Hibernate, HTTP, UML, iBatis, **Rational Rose**, CVS, JAXB, Sockets, RMI, RCP, Log4j, Unix, JQuery, **Maven**.

**Arcraft Plasma Equipments, India Mar 2012- Sep 2013**

**Role: Java/J2EE Developer**

**Description**: ARCRAFT designs and manufactures a diverse range of plasma cutting machines. The objective of this system was to handle all major and minor Requirements in an Organization. Each request consists of various authorization level from there department head, then it comes into the hands of purchase department to process the above request into various level.  Permissions Authority Module deals the users with data restrictions based on certain number of permissions i.e. Save, All and Delete given to the application as per Organization Standard.

**Responsibilities:**

* Involved in the analysis & design of the application using UML with Rational Rose
* Object Oriented **Analysis and Design using UML** include development of class diagrams, Sequence diagrams, and State diagrams and implemented these diagrams in Microsoft Visio.
* Developed the controller servlet to handle the requests and responses.
* Designed and developed **JSP pages** using Struts framework.
* Utilized the Tiles framework for page layouts.
* Involved in writing client side validations using **Java Script.**
* Involved in the design of the Referential Data Service module to interface with various databases using JDBC.
* Used **Hibernate** framework to persist the employee work hours to the database.
* Spring framework **AOP** features were extensively used.
* Developed and configured using **BEA WebLogic Application Server 8.1.**
* Developed the build scripts using Ant.
* Involved in designing test plans, test cases and overall **Unit testing** of the system.
* Developed controllers and actions encapsulating the business logic.
* Developed classes to interface with underlying **web services layer.**
* Designed **web services** for the above modules.
* Prepared documentation and participated in preparing user’s manual for the application.

**Environment:** JSP 2.1, Jakarta Struts, Tiles, Spring Integration, Hibernate, JNDI 1.2, JDBC 3.0, Web logic Application Server 9.1, SQL Server 2005, XML, XSLT, UML, Rational Rose, Eclipse 3.3, Ant, JUnit, WinCVS, Windows XP, Microsoft Visio. XHTML, Log4J, GWT, Restful, HTTP, XML, SAML, JSON, CSS, Extjs, BackboneJS, Postgres, Agile, scrum, SOA, TCP/IP

**INautix, India May 2011 – Feb 2012**

**Role: JAVA/J2EE Developer**

**Description**: INautix Technologies India Private Limited provides technology development, business and technology operations, and remote infrastructure management services. The objective of the Workstation project is to implement a user­ friendly, web based, common front­end system for use by all BNY Consumer Finance. The intention within the Workstation project is to promote, gradually, a common abstraction of the functionality within the company, i.e., BNY Consumer Finance—Americas. Reduction in the effort of assimilating new clients is another salient business driver in Workstation.

**Responsibilities:**

* Involved in designing the Web UI using **HTML5, CSS3**, Java Script, JQuery.
* Involved in entire lifecycle activities of the project including requirement gathering, analysis, design and development and testing.
* Designed and implemented Views using **JSP**.
* Extensive use of **HTML/Servlets/JSP/XML/XSLT** for the presentation layer along with JavaScript for the client side validations.
* Used EJB Session Beans for implementing the Business Logic for the Project.
* Used **Java Servlets, JSP, JavaScript, AJAX, XML, HTML,** and **CSS** for developing the Web component of the application.
* Participated in all the phases of the development namely **Web Component Creation,**
* Enterprise Bean Creation, Application Assembly, Application Deployment and maintenance.
* Developed the application using industry standard design patterns like **Façade, Service Locator.**
* Developed Web­ tier authentication consisting of HTTP basic authentication, form­ based authentication, and HTTP mutual authentication.
* Involved in unit testing **the Servlets, JSP modules**
* Created database including tables, views, functions, constraints etc.
* Used **JavaScript** for client side validation.
* Developed **JSP** pages, **custom tags** as part of the view component
* Extensively implemented **Stateless** and **Stateful Session beans** to capture user conversation and to achieve scalability, memory management and transactions, and **Entity beans** to bring the relational data to the object world.
* Used **RAD** as **IDE, Web sphere** as App server and **Oracle** as the database to develop and deploy the application.
* Involved in the system study, preparation of **Data Flow Diagrams** and **Entity Relationship** Diagrams.
* Packed and deployed the entire application code to integration testing environment for all the releases
* Implemented using Extreme Programming in Coding. Programmers followed all the standards in the coding
* Involved in **JUnit** tests for the services and documented the services developed.
* Provided production support by interacting with the end users and fixing bugs.
* Coordinated with off shore team.
* As an Analyst was involved with interacting with the clients and application user for their requirements, Specifications and enhancements.
* Used **Visual Source Safe** for the Version/Source control management and **Clear Quest** for

creating deployment as well as testing tickets.

**Environment**: Java, J2EE, Servlets, JSP, Struts, EJB, Designed Patterns, AJAX, JavaScript, HTML and XML, Oracle 8i/9i, IBM WSAD 5.1, Web sphere v5.1/5.0, AIX flavor of Unix.

**EDUCATION:** Bachelors of Technology in **Computer Science** from JNTU India