**Varun Kumar**

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**Professional Summary:**

Proficient **7+ years** of software development experience in object oriented programming, design and development of Multi-Tier distributed, Enterprise applications using **Java** and **J2EE** technologies.

* Expert Level Skills in Java, JDBC, JavaBeans, Spring Frameworks, Hibernate, Struts, JSP, JavaScript, JFC, Servlets, EJB, GWT.
* Strong programming skills towards developing and implementing complete n-tier web based application systems using Java/J2EE technologies- JDBC, JSP, Servlets, Enterprise Java Beans, Struts, JSF, Spring, SOA implementation, JAX-RS, JAX-WS, JNDI, XML, JAXB, JSON, WSDL.
* Strong knowledge in implementing IOC and Dependency Injection features in various aspects of Spring Framework.
* Good knowledge on the Spring Modules like Spring IOC, Spring MVC, Spring DAO, Spring Batch, Spring Web Flow, Spring Security, Spring AOP and Spring Boot.
* Having experience in creating sites that have Single Sign On using CAS and Spring Security.
* Having Handful experience in using OAuth 2 for Micro services security.
* Worked extensively with Core Java, Multithreading, and Collections.
* Expertise in implementing the persistence logic using JDBC, JPA, Spring JDBC, Hibernate.
* Worked on Hibernate for mapping the java objects to relational database and worked on HQL queries and Criteria interface to fetch, insert and update the data from the database.
* Hands on Experience in working with Databases MYSQL, Oracle 10g/11g, SQL-Server, DB2 and NoSQL (MongoDB, Cassandra).
* Excellent experience with major relational databases – Oracle 8i/9i/10g, SQL Server 2000/2005/2008, DB2, My SQL.
* Proficient in NoSQL DB such as Apache Cassandra DB, Mongo DB
* Hands on experience in developing user interfaces with HTML5, DHTML, JSTL and CSS3.
* Experience coding responsive websites using **HTML5**, **CSS3**, and JavaScript / jQuery, including the use of frameworks such as Bootstrap and Flexbox, as well as CSS pre-processer SASS.
* Experience on developing latest version of Object Oriented JavaScript Libraries like Angular.JS, Node.JS, Backbone.JS and had hands on experience with Web Responsive using Bootstrap's templates.
* Implemented back-end services using Node.Js and Node modules.
* Wrote client Side code using **React.JS** and used NPM & gulp directories to generate the server environments used browserfiy, flux to manage with targeted URL's (Uni-Directional data flows) and to monitor the application.
* Knowledge on various Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry.
* Extensively worked on beginner patches for Docker Engine.
* Experience in Build and deployment automation through tools like Jenkins.
* Hands on experience with build tools like ANT, Maven, Gradle and logging tools like Log4J.

**Technical Skills:**

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| **Java/J2EE Technologies** | **Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, JFC/Swing, AWT, Applets, Multi-threading, Java Networking** |
| **Application/Web Servers** | **Oracle/BEA WebLogic 8.1/9.1, IBM WebSphere 5.1/6.0/6.1/7.0, JBoss, Tomcat 5.0.28/6.0** |
| **Frameworks** | **Struts 2.x/1.x, Spring 3.x, Hibernate 3.x, JSF 1.2/2.0** |
| **IDEs** | **Eclipse 3.x, IBM WebSphere Application Developer 5.x, IBM RAD** |
| **Web technologies** | **JSP, JavaScript, jQuery, AJAX, XML, XSLT, HTML, DHTML, CSS, Backbone JS, React JS, Ext JS, Node JS, Perl** |
| **Web Services** | **JAX-WS, JAX-RPC, JAX-RS, SOAP, WSDL, UDDI** |
| **XML Tools** | **JAXB, Apache Axis** |
| **Methodologies** | **Agile, Scrum, RUP, TDD, OOAD, SDLC** |
| **Modeling Tools** | **UML, Rational Rose, Visio** |
| **Testing tools** | **JUnit, JMeter, HtmlUnit** |
| **Database Servers** | **Oracle 8i/9i/10g, DB2, SQL Server 2000/2005/2008, MySQL , Mongo DB** |
| **Version Control** | **CVS,SVN, Rational clearcase , ClearQuest** |
| **Build Tools** | **ANT, Maven** |
| **Operating Systems** | **Windows 8/ 7/ XP/ 2000/NT/98/95, MS-DOS, UNIX** |
| **Build Tools** | **ANT, Maven** |

**WORK EXPERIENCE**

**Client: Vantiv, Cincinnati, OH March '2017 - Till Date**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Designed and developed code for Exchange project using the **Java EE** platform.
* Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing. Successfully followed agile methodology in the **Scrum Cycle model**.
* Used Java-J2EE patterns like **Model View Controller (MVC)**, Business Delegate, Data Transfer Objects, Data Access Objects, factory patterns.
* Designed and developed the End Points (Controllers), Business Layer, DAO Layer using Hibernate/JDBC template, using Spring IOC (Dependency Injection).
* Extensively used **MVC**, **Factory**, **Delegate** and **Singleton** design patterns.
* Designed, developed a custom, single-page, responsive **web application** on front end using **AngularJS**.
* Configured **Karma** test runner for the project and unit tests are written in **Jasmine**.
* Developed **grunt** tasks to run the unit tests on **Jenkins**.
* Used Ant scripts to build and deploy the applications in **JBoss** application Server.
* Implemented SOA to develop **REST** Based **Web services** using **Apache Axis**.
* Developed **REST Web Services clients** to consume those Web Services as well other **enterprise wide Web Services.**
* Designed and Developed Presentation Tier using **Spring** **MVC** and JSP integrating Custom Tags, **JSTL**, **JSP Expression Language** and **AJAX.**
* Worked on CSS Background, CSS Positioning, CSS Text, CSS Border, Pseudo classes, Pseudo elements etc.
* Upgraded existing UI with **HTML5**, **CSS3**, **jQuery** and **Bootstrap** with **Angular2** interaction.
* Implemented performance oriented **CSSs elector**, **scalable** and modular **CSS** approach for front-end architecture.
* Created a microservice for accessing data from ‘**MySQL’** database by developing restful web service that is built using **Spring boot**, **Spring data**, **IntelliJ**, **Gradle**, **Java 8** and related technologies
* Build large scale web applications using **JavaScript** and **React.js**.
* Used **jQuery** to develop the widgets and to perform the client side validations, UI centric Ajax behavior.
* Used **XStream** API to transfer data back and forth between **Spring MVC** and **Ext JS**.
* Used **Hibernate framework** for back end development and Spring dependency injection for middle layer development.
* Used **Spring Framework AOP Module** to implement **logging** in the application to know the application status.
* Used **Spring DAO Module** along with Struts Framework to deal with Database.
* **Spring MVC Framework IOC (Inversion Of Control)** design pattern is used to have relationships between application components.
* Managed and maintained Oracle and **NoSQL** databases in production domain.
* Developed and supported on **SOAP** and **REST** web services. Used SSIS to create ETL packages to validate, extract, transform and load data to data warehouse databases, data mart databases.
* Worked on **Spring Quartz** functionality for scheduling tasks such as generating monthly reports for customers and sending those mails about different policies.
* Implemented **SOA** to develop **REST** Based **Web services** using **Apache Axis**.
* Developed **REST Web Services clients** to consume those Web Services as well other **enterprise wide Web Services.**
* Exposed the **Web Services** to the client applications by sharing the WSDL’s.
* Used **DAO pattern** to fetch data from database using **Hibernate** to carry out various database.
* Used **Hibernate Transaction Management, Hibernate Batch Transactions, and cache concepts.**
* Used **Spring MVC Transaction Management, Spring/Hibernate Batch Transactions and Hibernate cache concepts.**
* Used Postman, JMETER, Spring Mock MVC, Spring 4 Junit for testing the web services.
* Possess good knowledge in creating and launching EC2 instances using AMI's of Linux,
* Ubuntu, RHEL, and Windows and wrote shell scripts to bootstrap instance.
* Modified the **Spring Controllers** and Services classes so as to support the introduction of **Spring** framework.
* Developed various generic **JavaScript functions** used for validations. Used **SOAP UI** for testing the web services.
* Developed Application to asses **JSON** and **XMl** from **Restful** web service from consumer side using **AngularJS.**
* Implemented JQuery Plugin implementation: - **Banner, Slider, Accordion, Tabs, Jquery Dropdown, Image Gallery.**
* Used **HTML4** and **CSS3** for website development and build on **Bootstrap** 3.0.Data binding using **AngularJs**.
* Developed several **SOAP** based **JAX**-**WS Web Service** interfaces for integrating multiple systems, code re-usability.
* Experience with implementing **BPM** processes in existing system using both **Synchronous** and **Asynchronous Web Services**.
* Experience in Building **Web Service** Contracts in **SOA Service Manager**.
* Extensively used various **Spring Framework** modules **like DI (IOC), Bean Wiring, Inheritance, Auto Wiring, JDBC Templates, AOP and Spring Quartz Schedulers for Jobs.**
* Smoke Test and Acceptance Testing with **Selenium** in multiple Java platforms.
* Familiar with **Cucumber, Selenium Web Driver, Selenium** commands and **x-path**.
* Implemented **AngularJS and Node.JS with Spring MVC as model component.**
* Developed **custom AngularJS directives, tags and integrated with Spring forms.**
* Designed configuration **XML Schema** for the application.
* Used **XML Http Request** Object to provide asynchronous communication as part of **AJAX** implementation.
* Created tables and worked on **SQL** and **PL/SQL** to write Stored Procedures functions and packages for complex Inserts and updates in the database.
* Used JIRA to assign, track, report and audit the issues in the application.
* Deployed the source code on **SVN** (Subversion) source code repository.
* Done unit testing using **JUnit**.
* Developed MDBs for receiving and processing data from WebSphere MQ series.
* Used **Ant** scripts to build and deploy the application in IBM WebSphere Application Server 8.5.
* JavaScript frameworks such as JQuery, **Dojo**, **ExtJS**, **AngularJs**; CSS pre-processors such as LESS or SaaS. Implementation of JavaScript build, development and testing scripts using tools like **Grunt, Bower** and **Karma.**

**Environment:** Spring, JSP1.2, Servlets, XML, SOAP, UDDI, WSDL, AJAX, Angular JS, Node.JS, JDBC, JavaScript, Hibernate, Bootstrap , Spring Boot ,HTML5, MongoDB, CSS3, JQuery ,Oracle 10g, Apache Tomcat, ClearCase, , ANT, Jenkins, Selenium ,Cucumber , Karma, Eclipse

**Client: Deutsche Bank - Jersey City, NJ March '2016 - Feb ‘2017**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Developed the J2EE application based on the Service Oriented Architecture.
* Developed using new features of Java 1.6/1/7 like **Annotations, Generics**, enhanced for loop and Enums etc. Developed the functionalities under **Agile Methodology, JIRA** processes.
* Worked in all the modules of the application which involved front-end presentation logic developed using Tiles with **Spring MVC, JSP, JSTL and java script**, Business objects developed using **POJOs** and data access layer using **Hibernate** framework.
* Involved in writing Thread Safe blocks for multithread access to make valid transactions.
* Created and injected **spring services, spring** controllers and **DAOs** to achieve dependency injection and to wire objects of business classes.
* Used **Spring Inheritance** to develop beans from already developed parent beans.
* Worked on **Spring Quartz** functionality for scheduling tasks such as generating monthly reports for customers and sending those mails about different policies.
* Used **DAO pattern** to fetch data from database using Hibernate to carry out various database specific cooperation’s and avoided redundant database access statements and thus achieved decoupling and flexibility.
* Created session EJBs that retrieved information from the **Oracle** database using **Spring- Hibernate.**
* Developed various generic **JavaScript functions** used for validations.
* Developed screens using **JSP, JavaScript, AJAX and Ext JS**.
* Developed entire user interface using various Ext JS components like Form panels, Tab panels, Viewport and Editable grids.
* Used **XStream** API to transfer data back and forth between **Spring MVC** and **Ext JS**.
* Used **AJAX** extensively to implement front end /user interface features in the application.
* Implemented **SOA** to develop Web services using Apache Axis.
* Developed Web Services clients to consume those Web Services as well other enterprise wide web Services.
* Exposed the **Web Services** to the client applications by sharing the WSDL’s.
* Created DDL and DML SQL scripts for creation of database objects.
* Created logical and physical data models putting to practice, concepts of normalization and RDBMS.
* Database development required creation of new tables, **PL/SQL** stored procedures, functions, views, indexes and constraints, triggers and required SQL tuning to reduce the response time in the application.
* Focused on Test Driven Development; thereby creating detailed JUnit tests for every single piece of functionality before actually writing the functionality.
* Used **Apache Maven** for project management and building the application.
* Used **Log4j** utility to generate run-time logs.

**Environment:** J2EE, Java 1.6/1.7, Spring framework, Spring MVC, JSP 2.0, JSF, Servlets 2.3, Hibernate, AJAX, Web services, SOAP, XML, Java Beans, XStream, Apache POI, Ext JS, jQuery, JavaScript, Oracle 10g, IBM RAD, WebSphere 7.0, Agile Methodology, Design Patterns, CVS, Apache Maven, JUnit, Html Unit, XSLT, HTML/DHTML.

**Client: Department of Transportation, Richmond, VA Oct '2014 - Feb ‘2016**

**Role: Java Developer**

**Responsibilities:**

* Developed the J2EE application based on the Service Oriented Architecture. Developed using new features of Java 1.7 **Annotation**s, Generics, enhanced for loop and Enums. Used **Spring** and **Hibernate** for implementing **IOC, AOP** and **ORM** for back end tiers.
* Developing and editing user Interface Screens using **JSP, HTML5.0, JavaScript** and node.js and Improve presentation of webpages **CSS 3.0, Adobe Flash and JQuery** plug - INS.
* Designed SOA integration using Apache CXF. Enabled rapid service tier development.
* Support **CI/CD** Tools integration, operations/change management, and Maintenance, Support full Automation of CI Testing.
* Used **AngularJS** to create views to hook up models to the **DOM** and synchronize data with server as a Single Page Application (SPA).
* Used **Bootstrap** and **AngularJS** & **Express.js** to create Controllers to handle events triggered by clients and send request to server.
* Worked on application Architecture to reduce code work and help with the CMI Requirements.
* Implemented complex back-end component to get the count in no time against large size **MySQL** database (about 4 crore rows) using Java multi-threading. Handled Java multi-threading part in back-end component, one thread will be running for each user, which serves that user.
* Worked on Cross-browser Compatibility of UI pages. Implemented for internet browsers such as Chrome, Firefox, and IE 8/9/10/11.
* Created and injected **spring services, spring controllers and DAOs** to achieve **dependency injection** and to wire objects of business classes. Used **Spring Inheritance** to develop beans from already developed parent beans.
* Worked on **Spring Quartz** functionality for scheduling tasks such as generating monthly reports for customers and sending those mails about different policies.
* Extensively used various Spring Framework modules like **MVC, DI (IOC), Auto Wiring, JDBC Templates, Spring Security, and AOP**. Implemented SOA to develop **REST Based Web services**, **Micro services-based Integration** using Apache Axis.
* Developed Applications using Rule Engines, Drools. Explored Drools modules such as Drools Expert, Drools Fusion, and Drools Flow.
* Developed Service Layer Using **Spring, AspectJ and persistence layer** using **Hibernate.**
* Used Hibernate Transaction Management, **Hibernate Batch Transactions**, and cache concepts.
* Modified the Spring Controllers and Services classes to support the introduction of spring framework.
* Developed various generic **JavaScript functions** used for validations. Developed screens **using jQuery**, **JSP, JavaScript, AJAX**.
* Used **Hibernate** framework for back end development and **spring dependency injection** for middle layer development.
* Used **Maven** and **Jenkins** to automate the build and deploy process and **SVN** was used for project management and version management.
* Instrumental in implementation and deployment of a Multi-tenant software as a service (SaaS).
* Developed the presentation layer **and GUI framework in JSP** and Client-Side validations were done.
* **Smoke Test** and Acceptance Testing with **Selenium** in multiple Java platforms. Familiar with Cucumber, Selenium Web Driver, Selenium commands and x-path.
* Designed and developed websites/pages in Adobe CQ/AEM by implementing the responsive Design.
* Created user-friendly GUI interface and Web pages using **HTML, Angular JS, JQuery and Java script**.

**Environment:** J2EE, Spring framework, Spring MVC, Spring Boot, Hibernate 3.x, Angular JS, jQuery, JSON, JSF, Servlets 2.3, JDBC, AJAX, Jenkins, Multi- Threading, Web services, SOAP, XML, Micro Services, SaaS, Java Beans, X Stream, Net Tool, Apache CXF 2.6, Apache POI, JQuery, JavaScript, Drools, Oracle 10g, IBM RAD, WebSphere 7.0(WAS LIBERTY), Design Patterns, SVN, Apache Maven, JUnit, HtmlUnit, XSLT, HTML/DHTML.

**Client: National Payments Corporation of Mumbai, India Jan '2012 - Sep ‘2014**

**Role: Java Developer**

**Responsibilities:**

* Involved in the Requirements collection & Analysis from the business team.
* Created the design documents with use case diagram, class diagrams, and sequence diagrams using Rational Rose.
* Implemented the **MVC architecture** using Apache **Struts1.2 Framework**.
* Implemented Action Classes and server side validations for account activity, payment history and Transactions.
* Implemented views using **Struts tags, JSTL2.0** and Expression Language.
* Implemented Tiles Framework for the views layout.
* Implemented session beans to handle business logic for fund transfer, loan, credit card & fixed deposit modules.
* Worked with various java patterns such as Service Locater and Factory Pattern at the business layer for effective object behaviors.
* Worked on the **JAVA Collections API** for handling the data objects between **the business layers** and the front end.
* Worked **with JAXB, SAXP and XML Schema** for exporting data into **XML** format and importing data from XML format to data base and JAXB in the web service's request response data marshalling as well as marshaling process.
* Implemented the web services client to consume the third-party service API for validating credit cards. Used **XML Web** Services **using SOAP** to transfer the amount to transfer application that is remote and global to different financial institutions.
* Used Java Messaging Services (JMS) for reliable and asynchronous exchange of important information such as payment status report.
* Developed Unit test cases using JUnit.
* Developed Ant scripts and developed builds using Apache ANT.
* Used **Log4J** to capture the log that includes runtime exceptions.
* Used Clear Case for source code maintenance.

**Environment:** J2EE, Java, Struts, Tiles, JSP, JNDI, Clear Case, SOAP, WSDL, UDDI, JAXB, JAXP, Schema (XST), EJB 2.0, ANT, JavaScript, JMS, Rational Rose, WSAD, DB 2.

**Client: Easylink, Chennai, India Aug'2010 - Dec '2011**

**Role: Associate Software Engineer**

**Responsibilities:**

* Involved in various phases of **Software Development Life Cycle (SDLC)** of the application like Requirement gathering, Design, Analysis and Code development.
* Generated Use case diagrams, Class diagrams, and Sequence diagrams using **Rational Rose.**
* Wrote **JavaScript** for dynamic manipulation of the elements on the screen and to validate the input.
* The application is designed using **J2EE** design patterns and technologies based on **MVC** architecture.
* Implemented **Struts** Dispatch Action class and form bean classes using **Struts** framework.
* **Client** & **server** validations were handled using **JavaScript** & **Struts** validate plug-in.
* **Struts Tiles Framework** is implemented for a common look in all the presentation views.
* **EJB** Session Beans were used to process requests from the user interface and CMP entity beans were used to interact with the persistence layer.
* Developed **EJB MDB’s** and message Queue’s using **JMS** technology.
* Implemented **security** for different front end views based on the access privileges.
* Involved in writing XML validation classes using **Struts** validation framework.
* Used **AJAX** to retrieve data from server synchronously in the background without interfering with the display and existing page in an interactive way.
* Experience in writing **shell** and **Perl** scripts for **database** connectivity and to retrieve data from various sources.
* Used **XML** Web Services using **SOAP** to register agents using non-java application.
* Used **JMS** for the asynchronous exchange of critical data and events among **J2EE** components. **Publisher-Subscriber** method was used for data loading and Point-To-Point method of **JMS** was used for event processing.
* Used **RAD IDE** based on **Eclipse** for writing code for **JSP**, Action Classes, **Struts** and **spring beans**.
* Implemented persistence layer using **JPA** that uses the POJO’s to represent the persistence with **Oracle** database tuples.
* Used **IBM WebSphere Application Server** to deploy the application.
* Used **JAXB** to marshal/unmarshal java objects to communicate with the backend mainframe system.
* Wrote **PL/SQL** and **SQL** blocks for the application.
* Wrote data conversion programs for handling the changes to the existing database schema.
* Used **PVCS** as the source control system.
* Used **Log4j** package for the debugging, info and error tracings.
* **Agile** Methodology is used for development of the application.

**Environment**: J2EE, Struts, EJB, AJAX, JAXB, JavaScript, JPA, Oracle, XML, SOAP, JAX-WS, ANT, RAD, Log4J, SQL, PL/SQL, RAD, WebSphere, Agile, Log4j.