Varun Kumar reddy

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**PROFESSIONAL SUMMARY**

* Around 8+Years of experience in **Software Engineering Processes** & Development **Methodologies**, Business & Requirements Analysis, **Object Oriented Analysis & Design** and Implementation of software systems, based on industry proven best practices & standards.
* Proficient in java versions: **JDK** and **J2EE** with strong background of **OOPs** concept.
* Excellent Project implementation skills using **J2SE, J2EE, Spring, Hibernate.**
* Experience in developing applications using **HTML, CSS, JavaScript, Angular JS, Bootstrap, DOM, jQuery** and **JSON** that follows **W3C Standards.**
* Experience in designing both **Front end** & **Backend** applications using **Java, J2EE Web frameworks, Java Servlets, JSP, JSTL, HTML, CSS, JavaScript, AJAX, jQuery, AngularJS.**
* Strong Experience in **Web Services** **(SOAP, REST)** and **Service oriented architectures**.
* Experience in Core Java concepts such as OOP Concepts, Collections Framework, Exception Handling, I/O System, Multi-Threading, JDBC.
* Extensive experience in using SQL and PL/SQL to write Stored Procedures, Functions, Packages and Triggers. Hands on SQL Performance Tuning Operations.
* Good Working experience in using different modules like **Spring Core Container Module**, **Spring Application Context Module, Spring MVC Framework module, Spring AOP Module, Spring ORM Module, Spring Batch** in **Spring Framework.**
* Working experience in developing **spring boot** applications.
* Expertise in developing web services using **Stash**, **SOAP, WSDL, RESTful, JAX-WS, JAX-RS, JAX-RPC.**
* Experienced in **AWS Cloud platform** and its features which includes EC2, S3 bucket, ELB, EBS Cloud Watch, Elastic search, Virtual Private Cloud, and API Integration.
* Have good knowledge on **Java8** features like **Lambda expressions** and **functional interfaces,** and **Parallel Streams**.
* Experience Using **Apache Camel** for creating routes between multiple end points.
* Strong experience using **Active MQ** message broker for **JMS**.
* Developing **Java/J2EE applications** using **Spring,** JSP**, JSF, Java** Beans**, JDBC, Servlets, Java** ServerPages**, RMI, Hibernate** and **Struts.**
* Very good experience in developing Test Cases using **JUnit**.
* Used **Hibernate** as an Object relational mapping (**ORM**) library**.**
* Strong real-time experience in Java technology and **Spring MVC, Spring Boot, Hibernate, JavaScript, jQuery, CSS, MongoDB.**
* Proficient in Java **Multi-Threading**, Socket programming, Java Collections, Concurrency.
* Worked extensively with **API Management** product of **Apigee** **edge** in consuming the Apis in implementing customer use cases.
* Expertise in deployment of Spark integration with **Cassandra**, **Ignite** and **RabbitMQ**, Kafka etc.
* Expertise in JDBC and JMS configuration, administrative and SSL security, java cores, garbage collection analysis.
* Experienced in **developing** and **deploying applications** on Glassfish, Web Logic, WebSphere, Jboss and Apache Tomcat servers.
* Experienced in database systems like Oracle, MySQL, and MS SQL server to manage tables and created views, indexes, sequences, stored procedures, functions, and triggers for the fast retrieval and manipulation of data.
* Highly experience with Java complaint IDE’s like **STS, Eclipse, RAD, IntelliJ, NetBeans**.
* Hands-on experience in using **Log4j, Maven, Bamboo, Git, Gradle, SVN** for building, logging, testing.
* Implemented **Unit Testing** using **JUnit** and **Integration testing** during the projects.
* Used **Maven, ANT, Jenkins and Bamboo** to deploy automated builds in different environments.
* Have good knowledge in all phases of Software Development Life Cycle.
* Experienced Atlassian Application Lifecycle Management tools like Bitbucket, Stash, JIRA, Confluence both in Waterfall and Agile methodologies.
* Production Support-Provided development (quick fixes) and technical support for complex/ critical applications. Coordinated with other teams to resolve end-user issues promptly.

**TECHNICAL SKILL**

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| **J2EE Technology** | Java 8, Java Beans, Servlets, JSP, JDBC, EJB, JNDI, JMS, RMI. |
| **Architecture & Framework** | Client-Server, MVC, J2EE, Struts, Spring, Spring boot, Hibernate. |
| **Database** | Oracle 12c/11g, SQL Server 2014/2012/2008R2, MySQL, MongoDB, Cassandra. |
| **IDE** | Eclipse, Net Beans, My eclipse, STS, JBuilder, AWS. |
| **Design Methodology** | UML, Fall, Perl |
| **Operating Systems** | Windows 8.1/7/Vista/XP, Linux, Unix, AS 400, Mac |
| **Conceptual knowledge** | Web Services, Socket Programming, Groovy. |
| **GUI** | HTML5, XML, XSLT, JSF, AJAX, JavaScript, Angular Js, CSS3, Node js, Angular Js |
| **Query Languages** | SQL, PL/SQL. |
| **Programming Language** | Core Java APIs (I/O, Thread, Collection), UNIX programming. |
| **Design patterns** | Business Delegate, Business Object, Value Object, Front Controller, Database Access Object, Factory, Singleton, Session Facade. |
| **Tools:** | BEA Web Logic 8.1, JBOSS, WebLogic Application Server 6.1, Tomcat 6.0, JUnit 4.0, ANT, Log4j, Rational Clear Quest, Apigee, Gradle, Maven, SVN, Git, Bamboo, JIRA, TOAD, SQL Developer,Anisible. |

**PROFESSIONAL EXPERIENCE**

**Lowe’s, Mooresville, NC Mar 2017 to Apr 2018**

**Role: Sr. Java Developer**

**Project Description**: Lowe's Companies, Inc. is a fortune 49 American company that operates a chain of retail home improvement and appliance stores in the United States. This application enables customers to manage their accounts and perform transactions on-line. The application is a J2EE based application developed on frameworks like Spring, Hibernate and Webservices using cloud Environment.

**Roles & Responsibilities:**

* Involved in all phases of project from analysis and requirement phase to delivering the project.
* Developed the functionalities using Agile Methodology (**Test Driven Development**).
* Involved in Construction of UI using **HTML5, CSS3, jQuery, Node JS, AngularJS** and **JavaScript**.
* Created many custom filters using **AngularJS** and external module to manipulate the routing.
* Used Angular JS as framework to create a **Single Page Application** (SPA) which can bind data to specific views and synchronize data with serve.
* Used **Java8** features like **Lambda expressions** and functional interfaces, wherever possible.
* Developed application service components and configured beans using **Spring IOC**, creation of **Hibernate** mapping files and generation of database schema.
* Developed reusable and interoperable **Web service** modules based on **SOA architecture** using **RESTful APIs.**
* Implemented **Multithreading**, Concurrency, Exception Handling, Generics, and Collections whenever necessary.
* Implemented the application using **Spring IOC, Spring MVC, Spring Boot, Spring Security** and **Hibernate.**
* Implemented the authentication and authorization of the application using **Spring Security** and **Oauth**.
* Used Spring Data Framework to use the features of **Spring JDBC** and **Spring ORM** classes like **JDBC** Template and **Hibernate** Template to perform the database operations by connecting to Data sources available.
* Used **AWS SDK** for connection to **Amazon S3** buckets as it is used as the object storage service to store and retrieve the media files related to the application.
* Wrote services to store and retrieve user data from **MongoDB** for the application on devices.
* Created **Shell scripts** to automate **AWS services**, which includes web servers, **ELB**, Cloud Front distribution, database, **EC2** and elastic **Security groups**, **S3** bucket and application configuration.
* Design and **developed Microservices** business components using **Spring boot**.
* Used **Spring Framework AOP** Module to implement logging in the application to know the application status.
* Implemented Batch jobs to deal with large number of chunks using **Spring** Batch Framework to execute the similar jobs simultaneously.
* Creating micro-services using **Lambda** functions from event sources involving API's.
* Created Micro services using **AWS Lambda** and **API Gateway** using REST API.
* Assigned **AWS Elastic** IP Addresses used to work around host or availability zone failures by quickly remapping the address to another running instance or a replacement instance that was just started.
* Wrote custom search templates and index templates for **Elastic search.**
* Experienced in JDBC and JMS configuration setup in WAS and MQ, session management and performance tuning.
* Used MDB's to read the messages from **JMS** queues for asynchronous communication.
* Implemented request and response objects using **SOAP web services** and created routes using.
* Wrote test cases using **JUnit testing** framework and configured applications on WebLogic Server
* Involved in Pre-and Post-Staging/Production deployment Support with documentation and Smoke Testing after deployment using SOAP UI, Mockito and CURL scripts.
* Involved in developing **UML Diagrams** like Use Case, Class, Sequence diagrams.
* Used **Unix Shell Scripting** to update the databases and Start up the application server.
* Created **Shell scripts** for periodic generation of reports.
* Worked on **Shell scripts** to configure the **WebLogic application** server in all the environments.
* Configured and customized logs using **Log4J** for application logging and notification tracing mechanisms.
* Used **Maven** as build and dependency management tool for creating EAR, WAR, JAR file to be deployed in application servers.
* Used **JUnit** for suite execution and Assertions.
* Used **GIT** and **SVN** as a Version Control tool.
* Led the effort to move source control from **SVN** to **GIT** using **Atlassian Stash.**
* Analyzed and resolved compilation and deployment errors related to code development, branching, merging and building of source code repository using **GIT** version control.
* Used **GIT Version** Controller to maintain the version of the files and took the responsibility to do the code merges from branch to trunk and creating new branch when new feature implementation starts.
* Used **Stash** for mandatory code reviews (through pull requests) to improve code quality and promote cross functional learning.
* Implemented custom **Stash** Plugin (Java) for integration with **GIT** for associating commits with user tasks.
* Developed Continuous Integration process using: Web methods ABE (ant scripts), GitHub, Bamboo, and Source Tree.
* Used AG web methods for Cloud Integration and Data Integration for exchanging data.
* Configured and maintained **Bamboo** to implement the CI process and integrated the tool with **Ant** and **Maven** to schedule the builds.
* **Created Continuous delivery / Continuous Integration (CD/CI)** process for the application using the tools **Docker**, **Bamboo** to deploy this application to **AWS**.
* Resolved bugs/defects in application by coordinated with team members of the project to assure a positive outcome using **JIRA**.

**Environment:** Java, J2EE, EJB, HTML5, CSS3, JavaScript, jQuery, AJAX, AngularJS, Node JS, Spring framework, Spring MVC, UML, Hibernate, JSP, Servlet, Solr, JDBC, AWS, Mongo DB, Microservices, Apache Camel, Web services, RESTful, XML, Java Beans, Sonar cube, JMS(MQ), Oracle, Agile Methodology, Unix, JSON, Log4J, ANT, Maven, Jboss, Bamboo, Stash, Shell Scripting, Junit, GIT, JIRA.

**Entergy, The Woodlands, TX Jan 2016-Feb 2017**

**Role: Java Developer**

**Project Description:** Entergy Corp. is an integrated energy company engaged primarily in electric power production and retail distribution operations in the Deep South of the United States. The project I worked on was involved in the development of a Web based application where customers can access complete account information, view the status of their accounts, billings, plans, manage policies and profile. Customer has the benefit of online renewals and payment uploads. Spring Framework which is based on MVC Design Pattern was used to develop this application**.**

**Roles & Responsibilities:**

* Design and Develop Java Application in an **Agile Environment** using Rally, communicate and follow through technical leads on application stories.
* Designed and implemented server-side **Spring framework** and **Hibernate** for Object Relational Mapping of the database structure created in DB2.
* Implemented design patterns like Singleton, **Model View Controller (MVC)** architecture for an efficient implementation of the view level customizations and interfaced with the application logic.
* Use of OOPs concept and other core java concepts like **multithreading, inheritance** etc. in development.
* Involved in writing client-side functions using **Node.js, Angular JS** and **JavaScript.**
* Involved in developing front end forms using **xhtml, HTML, CSS**, and **JavaScript**.
* Developed the downloadable Search Remittance payment details using Itext.
* Developed and deployed J2EE application on both Web and Application Servers including **Apache Tomcat, Web Logic** and **IBM Web Sphere Portal/Application Server**.
* Participated in JDBC and JMS configuration setup in WAS.
* Acts as primary contact person for **Database Schema** for the application and created impact analysis document for the Change Requests.
* Work with performance team to improve the performance of the Payer/Search remittance and View Payments screens.
* **Apigee** is used for the **creation**, **deployment**, **debug** & **maintenance** of all clients facing **APIs**.
* Involved in Build and dependency management of multi module project using Ant and **Apache Maven.**
* Consumed **SOAP Web Services** for transferring data between different applications. EPS consumed FISL services using SOAP.
* Designed publish and subscription of messages using apache **Kafka** for routing messages to right target systems and Used apache **Kafka** to consume and publish messages to Kafka topic.
* Improved test coverage using **JMock**, **JUnit**.
* Involved in writing DAO layer using Hibernate to access the DB2 database.
* Used **Stash** and **GitHub** for maintaining code.
* Created and configured the **continuous delivery pipelines** for deploying micro services and deploying to **Jenkins CI server**.
* Implemented new build automation solutions for new products and provide ongoing support and administration for software build and build automation using **ANT**, **Jenkins** and **Shell scripting**.
* Written **Shell scripting** for building and deploying java application to target environments.
* Working knowledge of **Java/Groovy** and JavaScript programming language.
* Wrote test cases which adhere to a **Test-Driven Development** (TDD) pattern.
* Implemented the logging mechanism using **Log4j framework** and Involved in the developing unit test cases using **JUnit.**
* Used SAX and DOM for **parsing XML** and **Log4j** package is used for the debugging.
* Created **JUnit** and Flex **Unit test case** design logic and implemented throughout application.
* Used **ANT** tool for building and deploying the application.
* Used Toad tool to create **Views** and **Stored procedures** and **Created Data model** (Schema) of the Database.
* The project was implemented in **WebSphere Application Server** for the development and deployment.
* Involved in defect fixing in Integration, System and User Testing.
* Generated Certificates using Venafi and configured SSL for accessing secure resources.
* Worked with infrastructure team to deploy the application in Production System.

**Environment:** Java1.8, JSF, Hibernate, Spring 3.2.3, DB2, SQL, GIT, Jboss, Apache Tomcat, IBM WebSphere Portal Server, SOAP, Restful Webservice, Apigee, Apache Maven, Ant, Jenkins, Stash, AquaDataStudio, IText, Groovy, JMOCK, Kafka, Unix, HTML, CSS, JavaScript, Angular JS, My Eclipse, Log4J, Rally.

**Iowa Health Department - Des Moines, IA Jan 2015 - Dec 2015**

**Role: Java/J2EE Developer**

**Project Description:** Iowa's goal to implement modern eligibility systems which are provides financial and Non-Financial benefits. The Iowa Health Department (DHS) to plan a flexible and scalable enterprise architecture that will support the Medicaid Eligibility and converting the legacy database in to modern database.

**Roles & Responsibilities:**

* As a Java Developer, worked as a Software Developer, with knowledge in the entire (**SDLC**) life cycle of the project, right from the designing the projects till the completion.
* Created detail design documents which have the UML Design diagrams, table information, object model, etc. which are required for the development.
* Experience in writing the **SQL queries and PL/SQL Functions, Stored Procedures**, and **Views.**
* Implemented **Entity Beans** and **Session Beans** to implement business logic and for various product transportation and distributing over different areas.
* Designed and developed applications to directly loaded and update data in QRM databases and reduced manual process time.
* Implemented **triggers** to keep the track of changes in tables when changes are made.
* Experience in configuring the **Message Driven Beans (MDB)** for messaging various clients and agents who are registered within the system.
* Implemented **Couch DB**, which basically **NOSQL DB** for Persistence operations.
* Proficiency in handling final builds, deployments and management by using **Apache ANT/ MAVEN** to modify the **EAR, WAR and JAR files** when the application is deployed on the Web Sphere server.
* Experience in performing upgrades on **JBOSS** Application Server as per the need and handled issues while upgrading.
* Experience in writing **JavaScript client-side** validations for the user's account information based on the business regulations.
* Developed Scalable applications using Stateless **session EJBs**.
* Used **JMS API** for asynchronous communication by putting the messages in the Message queue.
* Consumed **Web Services** (WSDL, SOAP, UDDI) from the third party for authorizing payments to/from customers.
* Hands on experience and implementing functions, tables, stored procedures and triggers in the **SQL Server 2005.**
* Implemented Web services using apache **API** and tested them using **SOAP UI.** Integrated the **SOAP Web services** to **RESTful** Web Services.
* Worked on application deployment by using **ANT script**.
* Used SVN for Version control and for
* Skilled in **Unit Testing** and **Integration Testing** of various application modules.
* Hands on experience in fixing the production issues on a timely manner.
* Worked on implementing user interface by using third party software tools as **EBA grid**.
* Experience on Hibernate for the Object Relational Mapping to interact with the databases.
* Expertise in writing and modifying **Hibernate HQL queries** and **stored procedures** for the application to communicate with the Database.
* Responsible for preparing **Technical Design** document and User Documentation.
* Actively participated in code review meetings with the development team.
* Worked on developing use cases, class diagrams and preparing Technical specification documents based on identified sequence diagrams and Use cases for the **UML**.
* Worked on developing presentation layers by using **HTML, JSP, Custom** Tags**.**
* Designed extensive additions to existing Java Web Application utilizing Service Oriented Architecture (SOA) techniques.
* Involved in implementing **jQuery** for providing interactive user interfaces.
* Written Test cases using **JUnit** to validate the application flows in different scenarios in the standalone application**.**

**Environment** Java 7, J2EE, JDK 1.6, Rational Rose, Hibernate, JSP, Struts framework 2.0, Oracle 10g, UML, XHTML, HTML, Java Script, jQuery, Couch DB, Bootstrap, SVN, ANT, XML, XSLT, Restful**.**

**HSBC Bangalore, India Jun 2013 to Dec 2014**

**Role: Java Developer**

**Project Description:** This application enables customers to manage their accounts and perform transactions on-line. The application is a J2EE based application developed on frameworks like Spring, Hibernate and Webservices.

**Roles & Responsibilities:**

* Involved in Software Development Life Cycle (**SDLC**) starting from Analysis of Design, programming, Test Cases, Implementing and Production support of the application.
* Involved in all phases of the end-to-end implementation project- requirements gathering, analysis and design, development, testing and debugging.
* Actively participated in the daily **SCRUM meetings** and weekly meetings to produce quality deliverables within time.
* Used JDK 1.6 which was packaged bundled with **Net Beans IDE**. I used Net Beans GUI environment to develop Java applications, including tools for version control and debugging.
* Developed data access layer and components using **iBATIS** and **JPA/Hibernate** frameworks with spring framework support for object persistence to DB2 v10.
* Worked on JSPs, Controllers and Business Layer using Spring Framework.
* Successfully worked on **JMS** using Message Driven Beans (MDBs).
* Built the Web application using **Spring MVC** and implemented **Spring Web-Flow** for controlled page navigation.
* Used **Spring MVC Framework** to develop the application by implementing the controller, Services classes.
* Configured the **View Resolver** to prefix or/and suffix in the spring configuration file.
* Design and development of the business using spring and Hibernate, integrated Hibernate with **Spring ORM** for database mapping.
* Wrote Web Services using **SOAP** for sending and getting data.
* Implemented **SOAP** Webservices using **JAX-WS.**
* Worked on Backbone Js to structure the client-side applications.
* Used AngularJS for user interface development and integration with backend.
* Developed the presentation layer (UI) using JSP, JSTL, HTML, CSS and client validations using JavaScript and AngularJS.
* Implemented **AJAX technology** using AngularJS for frontend development.
* Gathered and analyzed user requirements and translated them into system solutions using Rational Rose (UML).
* Used **JSP, JavaScript, AJAX, jQuery** to develop the front end.
* Implemented persistence layer using **JDBC template** that use **POJO classes** to represent persistent database tables.
* Wrote stored Procedures, Functions, Triggers, and Cursors in **PL/SQL** for efficient interaction with database.
* Worked on **fixing bugs** reported by business layer, analyzed and **debugged** existing code written in **JSP**, **JavaScript**, **JSTL, DOJO** and **used** **JSF** layout for View of **MVC**.
* Used **REST**ful web services for sending and getting data from different application using **SOAP** messages.
* Handled Java **multi-threading** part in back-end component, one thread will be running for each user, which serves that user.
* Experience in developing **inter-operable** components using Service Oriented Architecture **SOA.**
* Used XSLT transformation components to convert data from **XML** to **HTML5** and **DOM** API for parsing XML.
* Designed Schemas for XML and used **SAX** parser to parse the XML documents.
* Involved in creation and deployment of Enterprise Application on **WebSphere** **Application Server8.0**.
* Worked on queries and stored procedures on **Oracle** using SQL Navigator.
* Make necessary changes to add new products/fields information in Application.
* Involved in using JMS Queues and JMS Topics for one-to-one and one-to-many communication in the application.
* Worked with JUnit framework for writing JUnit tests and integration tests.

**Environment:** Spring 3.2.5, Spring MVC, Spring AOP, HTML, Custom Tags, JavaScript (EXTJS), Hibernate 4.0, Oracle 11g, RAD, WebSphere Application Server 8.0, JDK 1.5, SOAP, PL/SQL Developer, SAX, DOM, JSF, WSDL, XML and JUnit.

**Sonata Software Solutions, India Mar 2010 to May 2013**

**Roles: Java/ J2EE Developer**

**Project Description:** We revamped the entire online ordering among inter departments using latest Java/J2EE technologies. This application was dedicated for corporate account holders which enables them to use the application for checking the equipment's availability in the stock, ordering it and get access to those regardless of payment. Also set up options like inserting automatically to stock and retrieving it easily.

**Roles & 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.
* Designed and developed **Aspects, Advices** and **Point cuts** for logging and transaction aspects using Spring AOP.
* Developed view components using **Spring Tiles**, **JSP**, Java Script, CSS, and custom tag Libraries.
* Implemented the client-side validations using Java Script.
* Developed entity classes, **JPA** **mapping** files for the object relational mapping while configuring **JPA**. Also developed **HQLs** and Named Queries and wrote **Data Access Object** (DAO) to handle **HQL queries**.
* Developed **SQL**, **HQL** queries and **PL/SQL** stored procedures, functions, to interact with the oracle database.
* Involved in consuming the **Web services** by generating WSDL and performed data exchange with the third party using SOAP, XML.
* Developed the application on **WebLogic Application Server** and used **Eclipse IDE** for the development of the Presentation layer and Business Logic.
* Used **Maven** tool for the Project management and for compile, run, deploy and to add external dependencies and Used JAXP for parsing XML documents.
* Used **Log4j** to monitor the error logs and fixing the problems.

**Environment:** Spring, Spring MVC, AOP, HTML, JSP, Custom Tags, Java Script, JPA, Oracle, Eclipse, Log4j, WebLogic Application Server 10.3, SOAP, PL/SQL, DOM, WSDL, JAXP, JAXB, XML and Eclipse IDE.