**PRAKASH REDDY**  
**Full Stack Developer**

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**PROFESSIONAL SUMMARY:**

* Over all 8 Years of professional IT experience in analysis, design, development, testing, delivery and production support of application. Working Experience in **SDLC** by using Agile (Scrum) and Iterative development.
* Experience in **Java, J2EE, Servlets, JSP, JSF, HTML, JDBC**, jQuery, MVC, Struts, Spring MVC, Spring Boot, Spring Batch, Microservices and Hibernate.
* Experienced in various Java and **J2EE** Frameworks such as Spring MVC Framework, Struts, **Hibernate, JMS, JSTL**.
* Experience in building single page application using **React JS**.
* Experience in building reusable components using React JS, React Router, and Redux for handling complex data flow and user input validation.
* Experience working with **JavaScript MVC** frameworks like AngularJS.
* Expertise in Object-relational mapping (ORM) using Hibernate, Ibatis.
* Experience in building web applications using Spring Framework features like **MVC** (Model View Controller), **AOP** (Aspect Oriented Programming), AspectJ, IOC (Inversion of Control), **DAO** (Data Access Object) and template classes.
* Experience in designing and developing Service Oriented Architecture (SOA) using SOAP and **REST Web Services**.
* Experience with Frontend Technologies like HTML, **CSS, JavaScript, AJAX, jQuery, Angular JS**, **React JS, Redux**, and **Node JS.**
* Experience in Integrating Spring with in **SOAP** and **REST** Web Services using Jersey framework.
* Experience in using **Jenkins** for build automation.
* Experience in using Docker for the runtime environment of the CI/CD system to build, test deploy.
* Experience in **Amazon Web Services** (Amazon EC2, Amazon S3, Amazon Simple DB, Amazon Elastic Load Balancing and Amazon EBS).
* Good Knowledge of using IDE Tools like Eclipse, NetBeans6, and JetBrains WebStorm.
* Experience in using version control and configuration management tools like SVN, GitHub.
* Experience in working with **SQL** and **NOSQL** databases like MySQL, Oracle 10g, 11g, and **MongoDB**.
* Strong Analytical, Problem Solving, Debugging and Interpersonal skills with excellent understanding of system development metrics, techniques and tools.

**Technical Skills:**

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| **Programming Languages** | Java, J2EE, Shell Programing, |
| **Java/J2EE Technologies** | Servlets, JSP 2.0, EJB 2.0/3.0, JDBC, Spring, Spring-AOP, Spring Boot, Spring Batch, AspectJ, Transaction Management, Hibernate and Custom Java Tag Library. |
| **Web Development** | HTML, CSS, Java Script, AJAX, AngularJS, Bootstrap, React and Redux |
| **XML/Web Services** | XML, XSD, DOM, XML Beans, JSON. |
| **Application/Web Servers** | Apache Tomcat, Express |
| **Methodologies/Design Patterns** | Agile, MVC, DAO, Factory pattern, Singleton, Delegation. |
| **Rational Databases** | MS SQL Server, PostgreSQL, Sybase, MySQL, DB2 & MongoDB |
| **IDEs** | Eclipse, IntelliJ, NetBeans, Web storm and Sublime |
| **Build Automation and Other Tools** | Ant, Maven, Gradle, JENKINS, |
| **Testing and logging Frameworks** | Jasmine, Mocha and Jest |
| **Version Controls** | SVN, GitHub, GitLab, and Bit Bucket |
| **Operating Systems** | Windows, Linux, Ubuntu and Mac OS. |

**Educational Qualification:** Bachelor of Technology: Jawaharlal Nehru Technological University, India.

**Professional Experience:**

**PG & E, San Francisco, CA Dec 2016 -Till Date Full Stack Developer**

**Description:** PG&E is the Pacific Gas and Electric Company, STAR to gather the information about the incidents or any short circuits in Bay Area, CA. The reports can be accessed by Supervisor, Electrical Engineers, Analysis’s, Technical Staff for check the life of the running products.

**Responsibilities:**

* Involved in the analysis, design, and development and testing phases of Software Development Lifecycle (SDLC).
* Responsible for creating functional design documents, Technical design documents.
* Worked on core java concepts of Object Oriented Programming such as Collection framework, **Multithreading**, Exception Handling
* Developed **Spring Controllers, Service Components, DAOs, Web Services** for processing the member request for two modules.
* Used **Spring MVC** framework along with **Hibernate** for Object-relational mapping.
* Used **Spring MVC Framework Dependency Injection** for integrating various Java Components
* Developed UI pages using HTML5, Bootstrap, CSS3, JavaScript, jQuery, AJAX, React, Redux and Nodes.
* Build the reusable service components with **ReactJS, Bootstrap, and JSX** that are used across various modules.
* Used **React-Router** to turn application into Single Page Application
* Experience in using **Redux-Promise** in application to retrieve data from Back-End and to perform **RESTFUL web services**.
* Implemented jQuery to develop the widgets and to perform the client-side validations, UI centric Ajax behavior.
* Extensively worked with core java like **collections**, **String Builder** and **interfaces**.
* Used **Multithreading** in programming to improve overall performance using **Singleton** design pattern in **Hibernate** utility class.
* Used **Spring** frame work **AOP** features and **JDBC** module features to persist the data to the database for few applications. Also used the **Spring** **IOC** feature to get hibernate session factory and resolve other bean dependencies.
* Prepared calls through **Hibernate, spring LDAP, Spring JDBC** for Interacting with the Database.
* Deployed Spring Boot based micro services into Docker container using Amazon EC2 container services.
* Developed API for using AWS Lambda to manage the servers and run the code in the AWS.
* Used AWS Cloud watch in alerting, maintaining and monitoring of production and corporate servers/storage.
* Created and maintained **Microservices** using Spring Boot and deployed the services in the **OpenShift**.
* Involved in the design and development of batch Jobs using **Spring Batch** Architecture.
* Unit Testing Java code using **Junit** and Integrating with Jenkins.
* Configured and scheduled jobs for multiple projects on **Jenkins**.
* Used GIT version controlling to maintain project versions.
* Worked on **code review**, **debugging** and **fixing bugs** for the backend.

**Environment:** Java, J2EE, JDBC, XML, Spring Boot, Hibernate, Web Services, SOAP, Restful, AWS, Docker, Multithreading, Eclipse, OpenShift Oracle11, JUNIT, MYSQL, HTML, CSS, React, Redux, Jenkin, and Linux.

**Viking Cruises, LA Apr 2015 – Nov 2016**

**Java Full stack developer**

**Description:** Viking cruise company works on booking the suites in cruise, provide the information about cruise availability, adding new users and provide the notifications to the existing customers about cruise rates and deals information.

**Responsibilities:**

* Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle (**SDLC**) and used agile methodology (**SCRUM**) for developing application.
* Application is implemented using agile methodology where there is a daily **SCRUM** meeting to understand the status and resolve any issues.
* Development following a Scrum /Agile development model Adhering to Test Driven Development (**TDD**).
* Worked with Test Driven Development (**TDD**) using **JUNIT**.
* Designed and developed user interactive screens using **HTML5**, **CSS3**, **JavaScript**, **Bootstrap, AngularJS.**
* Implementation of Frameworks such as **jQuery** for UI development.
* Used **Java 1.8** features like **Stream**, **Lambdas** and **filters** to process order data.
* Deployment knowledge for one or more of the major **J2EE** application server platforms, including use of Maven.
* Created **TypeScript** reusable components and services to consume **REST API's** using Component based architecture provided by **AngularJS**.
* Created and maintained several **Micro Services** serving various functions in the cloud-service layer as well as the web layer.
* Deployed the Spring Batch application on **Pivotal Cloud Foundry** (PCF) instance and bind the services like Java and **PostgreSQL** services.
* Developed **RESTful** Services with **JAX-RS** using **Spring Boot** and **Micro Services Architecture**.
* Implemented and developed application using **Spring (IOC, AOP, MVC, Security, Boot, Batch),** **Hibernate,** **REST** based **Web Services.**
* Worked closely with application team for testing and **sign-off** of migration activities in production and non-production environments.
* Used **Spring** **IOC** for Dependency injection and integrated with the **Hibernate** framework for interacting with the database.
* Implemented the authentication, authorization and access-control features by using**Spring Security** and **OAuth.**
* Developed Web-application screens using **JSF**, Spring Frameworks and **Hibernate** Framework.
* Designed and developed **Micro Services** based business components and **RESTful** service endpoints using **Spring** **boot**.
* Developed and consumed **RESTful**web services to retrieve configuration **JSON** documents related to customer
* Used Build tools like **Maven**, **Gradle** and used **JIRA** as a defect tracking system for all projects.
* Implemented persistence layer using **Hibernate** for batch processing and to persist the data to the database.
* Written **SQL Queries** and **stored** **procedures** to interact with **Oracle DB.**
* Used **ANT** Build files to build the applications in**UNIX**environment.
* Developed **JUnit** test cases for unit testing the integration layer.
* Used **Tortoise** **SVN, GITLAB** to maintain the version of files and took the responsibility to do the code merges from branch to trunk and creating new branch when new feature implementation starts.

**Environment:**  J2EE, HTML5, CSS3, JavaScript, AngularJS, JSON, XML, Spring MVC, Spring Boot, Spring Security, Spring Batch, RESTful Webservices, Hibernate, Microservices, Web Sphere Application Server 8.5, Oracle, JUnit, Maven, Jenkins, log4j, SVN, JIRA, Linux, Agile Methodology, RAD 9.0

**Anthem, Mason Ohio Aug 2013 – Mar 2015**

**Java Developer**

**Description:** Anthem is insurance domain, provides insurance to the Customer, stores Doctor information, assigning doctor to the providers, assigning start date, term date to providers.

Assigning group IPA id to Doctors.

**Responsibilities:**

* Involved in Requirement gathering, Analysis, Preparing Functional Specifications, and TechnicalSpecifications according to their requirements.
* Used spring’s IOC, AOP and auto wiring concepts in developing the application.
* Used **Spring Container** to performed dependency injection.
* Used **Hibernate** to map the database with POJO using hbm.xml files.
* Designed the Architecture of the project as per MVC standards.
* Used **Struts MVC** for the developing funds module and mortgage module.
* Develop a suite of gateways using the Apache Camel Integration framework.
* Deployed the application on JBOSS application server.
* Used AJAX technology for creating interactive Web Applications.
* Implemented **multithreading**, parallel programming and clusters to improve the performance efficiency and decrease the response times.
* Developed **SOAP** message envelopes and headers using WSDL.
* Developed a RESTful web API using **Spring Boot.**
* Developed **JSP** (Java Server Pages) for orders module and Customer Service Department.
* Used **Maven** as build tool for the Backend application.
* CRUD operations for the applications using the **Spring MVC** architecture of conducting code reviews.
* Used **AngularJS** directives to extend **HTML** to create the foundation for rich and complex web application.
* Created custom directives in **AngularJS** for re-usable components.
* Unit Testing Java code using **JUnit** and Integrating with **Jenkins**.
* Involved in Integration of all the modules, deploying them on the Application server, and use **JMS**
* Involved in bug fixing of various modules in the application that raised by the testing team.

**Environment:** Java, J2EE, Spring, Hibernate, Web services (SOAP & RESTFUL), Multithreading, Oracle, Eclipse, JUnit, JSP, ANT, HTML, CSS, JSON, XML, Tomcat.

**Mayo Clinic, Rochester, MN Nov 2012 – Jul 2013**

**Java developer**

**Description:** Mayo Clinic provides laboratory informatics solutions, services and it also provides solutions in the areas of biobanking, quality control, pre-validated and preconfigured pharmaceutical LIMS, molecular diagnostic, contract laboratory and research and development solutions. The project application is about a Web-based laboratory information management (LIMS) system that lets users to manage the sample lifecycle, optimize laboratory executions, perform data retrievals, interface instruments and systems and enable security and auditing aspects.

**Responsibilities**

* Involved in all stages of Software Development Life Cycle (**SDLC**) of the project in **Agile** methodology.
* Participated Daily Scrum meeting, sprint grooming/review and demo with management and other teams
* Experience in implementing SOA architectures with Web Services using **WSDL**, **SOAP** and **UDDI**.
* using **HTML**, **CSS**, **JavaScript, Angular JS** Involved in the development of user interface applications and
* Designed and Developed End to End customer self service module using annotation-based **Spring MVC**, **Hibernate**, and **JQuery**
* Involved in development of Agent Verification System using **Spring MVC** framework.
* Used **Spring Inheritance** to develop beans from already developed parent beans.
* Used **Spring AOP** for **logging**, **auditing**, **transaction management** to distinguish **business logic** from the cross-cutting concerns.
* Implemented**Multithreading, Concurrency, Exception Handling, Generics and Collections**whenever necessary
* Implemented Batch jobs to deal with Large number of chunks using **Spring Batch Framework** to execute the similar jobs simultaneously
* Integrated **REST API** with Spring for consuming resources using **Spring Rest Templates**and developed **SOAP**, **RESTful** web services interface to Java-based runtime engine and accounts
* Initiated mappings among the relations and written named **HQL** queries using **Hibernate**
* Implemented data access layer i.e. DAO Classes using **Hibernate** as an **ORM**tool and configured xml files according to hibernate framework
* Implemented persistence layer using**Hibernate** that use the POJOs to represent the persistence database
* Experience in writing complex **PL/SQL** queries using joins, Stored Procedures, Functions, Triggers, cursors, and indexes in Oracle DBMS
* Created **UNIX** **shell scripting** for periodic generation of reports
* Collaborated with testers and developers and prepared test plans for producing high quality software applications
* Deployed the war file of the enterprise application on **WebSphere** application server that handles various requests from Client and fixed deployment issues
* Implemented complete **Maven** build life cycle to achieve organized application structure and conflict free dependencies in **pom.xml** file
* Deployed applications into Continuous integration environments like **Jenkins** to integrate and deploy code on **CI** environments for development testing
* Used **JIRA** tool for Issue/bug tracking, monitoring of work assignment in the system

**Environment:** Java, J2EE, HTML, CSS, Java Script, jQuery, Spring, Hibernate, MVC, Web Services, MAVEN, WebSphere, RAD, JUnit, JMS, log4j, UNIX, SOAP UI, REST Client, Git.

**Net Cracker, India Jun 2011 – Oct 2012**

**Java Programmer**

**Description:** Net Cracker technologies corp. is giving the support for business support systems (BSS), software networking and network functions virtualization. My project is on provide the recharge service for multiple prepaid LTE networks by calling the third-party services.

**Responsibilities:**

* Developed **JSP** for UI and Java classes for business logic.
* Utilized **JavaScript** for client-side validation.
* Utilized **Oracle PL/SQL** for database operations using **JDBC API**.
* Implemented DAO for Oracle 8i for **DML** Operations like Insert, Update, Delete the records.
* Involved in the design, development and deployment of the Application using Core Java/J2EE Technologies.
* Worked with Core Java code extensively using interfaces and multi-threading techniques.
* Developed **RESTFUL** web services with **JSON** for the application.
* Developed Application in Struts Framework using **MVC** architecture.
* Customizing all the JSP pages with same look and feel using Tiles, CSS (Cascading Style Sheets).
* Designed the user interface of the application using **HTML5, CSS3, JavaScript,** and **AJAX.**
* Involved in coding for the presentation layer using Apache Struts, XML and JavaScript.
* Created Action Forms and Action classes for the modules.
* Implemented Connection Pooling for database connectivity, transaction and retrieval queries using **SQL** with the backend Database.
* Involved in testing and deployment of the application on Web Logic Application Server during integration.
* Designed, Peer Reviewed and prioritized Test Cases.
* Involved in Functional Testing, Integration Testing, End-To-End testing, Sanity testing, Regression testing and involved in UAT and **UAT** support.
* Configured **Selenium WebDriver, TestNG,** Ant tool and created Selenium automation scripts in java.
* Used JIRA as a defect tracking tool.
* Created the test pipelines by using Jenkins and Maven.

**Environment:** Java/J2EE, JSP, Servlets, Struts 1.1, Spring, JUnit, Eclipse, JSP, JavaBeans, JavaScript, Tomcat, XML, HTML/DHTML/XHTML, CSS, PL/SQL, Selenium, JIRA, Jenkins

**Akvin Technologies, Hyderabad, India Jul 2010 – May 2011**

**Jr. Java Developer**

**Responsibilities:**

* Designed Class and Sequence Diagrams for the **FTP** functionality.
* Used **Web-Service** for the FTP Component
* Used apache struts to develop the web-based components
* Used Struts Framework for the DAO.
* Tested the whole application for errors screen by screens
* Developed the client-side validation using JavaScript.
* Configured and deployed the **J2EE** application on WebSphere Server 5.
* Played major role in the completion of the project.
* Used the Transaction to persist the data in the **DB2 UDB**.
* Developed POJO's and Object-Relational mappings in Hibernate.
* Used **Log4J** utility to log error, info and debug messages.
* Resolved complex problems in less time.
* Developed the application as per the functional requirements from the analysts
* Developed the **FTP** flow for the data transfer from Mainframe PCIO Systems to the local Server, parsed and saved the data in the UDB.
* Developed web screens in **Html** and JSP.
* Developed the transaction-oriented logic in the Data Access Layer.
* Designed, developed, debugged and tested the web based **J2EE** application
* Used **Hibernate** 3 for the data connectivity.

**Environment:** Java, JSP, Servlets, J2EE, RAD 6.0, UDB, HSQL, UML, Visio, Win XP, Hibernate 3, Struts, DB2, Window.