**Akshita Reddy  Pentala**

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**PROFESSIONAL SUMMARY:**

* Around **8 years’** Experience in object-oriented programming analysis with extensive full Software Development Life Cycle (**SDLC**) experience in Application Software Specifications, Design, Development, Testing and debugging, Maintenance.
* Proficient in various **agile** methodologies like Test Driven Development (**TDD**), **SCRUM**, Pair Programming and Waterfall software development processes.
* Developed and deployed Front-end components (UI) using **JSP, HTML5, CSS3, JavaScript, JQuery, Ajax, AngularJS, NodeJS, JSON** for projects based on **Java** platform.
* Experience in **Micro Services** and **Spring Boot** application development.
* Expertise in implementing client-server business applications using **Micro services**.
* Have extensive hands on experience on different **Java** frameworks like **spring** (**Spring** **IOC**, **Spring** **AOP**, **Spring** **MVC**, Spring **Batch**, **Spring** **JDBC**, **Spring Web flow** & **Spring** **Boot**), **Struts** (2.x)
* Extensive experience in using various design patterns such as **MVC, Singleton, Session, DAO, IOC**
* Experienced with web services (**SOAP/RESTful**) and used to scale the applications for better **BOA.**
* Worked on **Service Oriented** **Architecture (SOA)** such as Apache Axis web services which use **SOAP**, **REST.**
* Expertise in using clients for the **Web Services** using **Apache Axis** and tested it using **SoapUI**
* Develop reusable solution to maintain proper coding standard across different java project
* Proficiency with the application servers like **IBM WebSphere** and **Tomcat**
* Experience with RDBMS concepts like writing SQL Queries. Working experience of Relational DBMS like **MySQL, Oracle SQL PL/SQL, SQL Server (MS SQL), DB2.**
* Hands on experience in software configuration / change control process and tools like **Subversion (SVN), GIT Bash.**
* In depth knowledge of Apache **Cassandra** architecture.
* **Used ETL** for pulling data out of the source systems and placing it into a data warehouse.
* Experienced with XML related technologies such **XML, XSLT (DOM, SAX), XPATH** and **DTD.**
* Worked proficiently with various IDEs including **Eclipse**, **RAD**, **IntelliJ** and **STS**.
* Good understanding of Business workflow, Business logic and Business methods for further implementation of user requirement in a distributed application environment

**TECHNICAL SKILLS:**

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| **Languages** | C, C++, Java 1.8, SQL, PL/SQL. |
| **Enterprise Java** | Servlets, Design Patterns, JMS, JSP, JDBC, Java security |
| **Mark**-**up/XML Technologies** | HTML, CSS, JavaScript, XML, XSD, XSL/XSLT, AJAX, JQuery, JSON, Bootstrap, AngularJS, NodeJS and ExtJS. |
| **Tools & Framework** | Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring Boot, Spring AOP. |
| **Web Services** | SOAP, RESTful, UDDI, WSDL, JAX-RPC, JAX-RS, JAX-WS, JAX-B, Axis2, CFX |
| **Web/App Servers** | WebSphere, WebLogic, Apache Tomcat, JBoss. |
| **Database** | Oracle, SQL-Server, MySQL server. |
| **Development Tools** | Eclipse, IntelliJ, RAD, Spring Tool Suite. |
| **O-R mapping** | Hibernate, JPA, IBatis. |
| **Version Control** | CVS, Tortoise SVN and Git. |
| **Design/Case Tools** | Star UML, Rational Rose, MS- Visio. |
| **Defect Tracking Tools** | Bugzilla, Jira, FireBug. |
| **Testing Tools/ Others** | JUnit, SoapUI, Putty, Rational Clear Quest, Mockito. |
| **OS & Environment** | Windows, Sun Solaris UNIX, Linux. |
| **Build Automation** | ANT and MAVEN. |
| **Cloud Technologies** | AWS EC2, S3, IAM, RDS, SQS, Spring Cloud |

**EDUCATION:**

* **Bachelors in computer science in JNTUH Univercity, 2010.**

**PROFESSIONAL EXPERIECE**

**Client: MERCURY INSURANCE/Cognizant , Brea, CA Jan 2019 - Till Date**

**Role: Full Stack Developer**

**Description:** The project involved creating UI Screens for Guest User and Login Payment pages, changing the existing struts application to Angular 7 and also the back end to Spring Boot using DB2.

**Responsibilities:**

* Gathering the requirements from business and analysis the scope of the implementation in the design phase and avoiding the leakage defects in design phase by delivering the quality production on time with NO impact to existing modules/flows.
* Development of UI modules using **Spring Web Flow, JSP, JQuery, HTML, Java and XML.**
* Implemented business logic in Java at the Server side to retrieve the Data from **SQL Database** using hibernate and **SQL** queries.
* Working on implementing VO, BO classes to pull and save the data from Database and generating the **report files** in **CSV/EXCEL format**.
* Implementing of **Agile** methodology, estimation of the task and completing user stories in the defined sprint.
* Involving in code Reviews, deploying the application on respective non-prod servers using **Jenkins** **UrbancodeDeploy**.
* Supporting team with leaked defects and bug fixes that are found in the current production as Support Tickets.
* Maintaining code quality by running the **Code quality tools** and fixing the issues.
* Writing the Junit test for the all UI and backend tasks **using Junit test framework.**
* Developed user-friendly interface to seamlessly combine the new module with existing login system by using
* **AngularJS.**
* Actively worked on deploying **Docker** based applications to **AWS ECS (Elastic Container Service).**
* Invoked **AWS Lambda function** over **HTTPS**.
* Developed **Microservices** with **Spring boot** and **Spring Batch** along with the test cases.
* Used **JIRA** to log all issues and track development status of the user stories.
* Involved in the implementation of **MVC** Architecture using **Spring** framework for the application.
* Inserted **Dependency Injection** between components using **Spring's (IOC) concept**.
* Consumed **SOAP** and **Restful web services** in **SOA** environment and used **SOAP UI** for testing.
* Integrated **Spring DAO** for data access using Hibernate.
* Participated in creation of Spring Configurations using **Java 1.8** features, **Lambda expressions, Streams, filters.**
* Used **JSON/XMl** to transfer the resources in **REST APIs**.
* Used **Spring boot** service layer with dependency wiring, transaction, DAO and annotations.
* Hands on experience on Server-side validations using **JQuery, java scripts, JSTL and custom tags.**
* Used **Eclipse** as the IDE and used eclipse standard/ plug-in features for editing, debugging, compiling, formatting, build automation, test case template generation, mutator/accessor code generation and version control (SVN).
* Used **Log4J** for application logging and notification tracing mechanisms.

**Environment**: Java JDK 1.7/1.8, J2EE, Agile, HTML5, CSS3, Bootstrap, JQuery, Spring IOC, Spring AOP, Spring MVC, Spring Data, Spring Boot, Angular, Micro Services, RESTful Services, Jersey, Hibernate, AWS, Oracle, Unix, Mockito, Log4j, JIRA, GIT, TDD, Jenkins, Eclipse and Web Sphere Application Server.

**Client: AMEX, Phoenix, AZ Jan 2018 – Dec 2018**

**Role: Full Stack Java Developer**

**Description:** American Express is a global services company that provides customers with access to products, insights and experiences that enrich lives and build business success. The project involved creating UI Screens for Amex product/service and also developing internal Java coding by retrieving data from client side, processing it and saving it in database. It also involved fetching data from database and displaying it to the user.

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (**SDLC**) such as requirements gathering, modeling, analysis, design, development and testing.
* Interact with the business owners and provide assistance in understanding the application.
* Developed the front-end using **HTML5, JavaScript, JQuery, AJAX and CSS3**.
* Developed application using **JSP, AngularJS 2** for admin pages.
* Integrated the front-end **JQuery** UI with backend **REST API** using **AngularJS**.
* **AngularJS Ajax** module is used to handle **RESTful** calls to enable communication between view components and server.
* Called Rest web services through **AngularJS** services to get **JSON** Object and modified the response object to display in UI.
* Followed **Single Page Application** (SPA) Pattern and used **AngularJS MVC** to build a cross-browser complaint application.
* Used **NodeJS** for building web applications with client-server architecture where both can initiate communication in two-way connections and allows them to exchange the data.
* A Used Erwin for Logical and Physical database modeling of the warehouse, responsible for database schemas creation based on the logical models.
* Deployed **Spring** **boot** based **Micro Services Docker** container using Amazon **EC2** container services and using **AWS** admin console.
* Create and configured the continuous delivery pipelines for deploying **Micro services** by using **Jenkins** CI server.
* Used **spring** Framework for implementing business logic and maintaining transactions.
* Developed the application with various **Spring Framework** modules like **Spring IOC, Spring AOP, Spring** **Boot, Spring Security**, **Spring Batch.**
* Used **Spring Security** for **Authentication and Authorization** of the application.
* Design and Development of the system work flow. Used **Singleton, Spring MVC, Hibernate**, Factory Pattern and **DAO design patterns**.
* Used **Hibernate** as persistence Layer - using the **SQL Server Database** and configuration data to provide persistence services (and persistent objects) to the application.
* Used HQL and SQL as the query languages in **Hibernate Mapping**. Integrated the Spring and Hibernate framework.
* Designed and implemented **Hibernate Annotation-based** persistence layer for backend.
* Wrote **SQL Queries** to interact with **SQL Server Database**.
* **RESTful** web services using Jersey for **JAX**-**RS** implementation.
* Used **Maven** for the project management like build, install
* Done with unit testing of all Java classes using **JUnit** framework.
* Actively Participated in tracking and resolving Production issues.
* Worked on issue tracking tool **JIRA**.
* Hands on experience in building tool like **Maven.**
* Used **GIT** for Source Control and Version Management of all codes and resources.
* Involved extensively in Code Reviews, Unit testing and Process Improvements.
* Involved in Daily **SCRUM** meetings and weekly **SPRINT** Meetings.
* Interacted with Product Managers to fine tune user stories and with testing team to approve Functional Specification and test cases.

**Environment**: Java1.8, HTML5, CSS3, JQuery, Ajax, AngularJS, NodeJS, JSP, Hibernate, Spring, Spring Batch, Spring Boot, Spring Security, Spring MVC, Maven, WebSphere, JavaScript, Agile Methodology, Restful, Micro Services, JIRA, Spring Security, JUnit, GIT, Jenkins and STS.

**Client: Apple, Sunnyvale, CA Aug 2016 – Dec 2017**

**Role: Full Stack Developer**

**Description:** Hubble: This Project involves the design and development of a Web based application to Provide an application monitoring system that allows users to publish, visualize and alert on key metrics for their applications. It also enables user to gain deeper insights by providing visibility into related infrastructure metrics.

**Responsibilities:**

* Involved in various phases of **Software Development Life Cycle** (**SDLC**) such as requirements gathering, modeling, analysis, design, development and testing.
* Involved in complete development of **Agile Development Methodology**/**SCRUM** and tested the application in each iteration.
* Involved in developing latest version of Object-Oriented JavaScript Libraries like **AngularJS, NodeJS** and had hands on experience with Web Responsive using **Bootstrap's** templates.
* Used **Spring AOP** for solving crosscutting concerns like keeping customer log data and transactions details etc.
* Used **Spring Batch** for processing large amount of data like transaction management, job processing, resource management and logging.
* Worked on providing authorization and authentication to applications using **Spring security** and protected the application against attacks like **session fixation.**
* Developed **Hibernate configuration** files and queries and Implemented **DAO** classes using **JPA**.
* Developed persistence Layer using **Hibernate** to persist the data and to manage the data.
* Involved in writing **SQL** and **Stored Procedures** for handling complex queries with help of **TOAD** and access them through Java Programs from **Oracle Database**.
* Developed the **persistence layer** using **Hibernate** Framework by configuring the mappings in hibernate files and created **DAO** and POJO.
* Using **Multi-Threading** concept to process multiple tasks concurrently to make performance better.
* Used **Jenkins** as build management tool for continuous integration process.
* Maintained backup schedules for server storage. Read and interpreted **UNIX** logs.
* Developed unit testing frame work using **Junit** test cases for continuous integration testing and used **JTest** Tool for performance testing.
* Actively used the defect tracking tool **JIRA** to create and track the defects of the project.
* Worked in **Agile TDD** environment using SDLC tools like **GIT, Jira, Jenkins**, **Maven** for build packaging and deployments of the application components.

**Environment**: Agile, Java, J2EE, HTML5, CSS3, JavaScript, AJAX, AngularJS, Node JS, JSON, JSP, JSTL, AWS, Micro Services, Hibernate, Spring, XML, Web Methods, Maven, GIT, REST Webservices, Apache Camel, Unix, UML, Oracle, PL/SQL, DB2, MongoDB, WebSphere Application Server, Jenkins, JIRA.

**Client: U.S. Cellular, Chicago, IL Aug 2014 – July 2016**

**Role: Java/J2EE Developer**

**Description:** US Cellular is a leading company in providing the wireless services to the mobile platform. One message is the system that Us Cellular uses to send communications to its customers. One message is the Enterprise Wide application for all transactional customer communications. The application supports all Email, SMS, EMS, and MMS communications for various organizations in Us Cellular One message stores customer notification Preferences in the preference center where customer can configure various notification types.

**Responsibilities:**

* Involved in Daily Scrum (**Agile**) meetings, Sprint planning and estimation of the tasks for the user stories, participated in retrospective and presenting Demo at end of the sprint.
* Involved in the front end using **JSP, HTML, CSS, JavaScript** and **JQuery.**
* Implemented **MVC** architecture using **JSP, Spring, Hibernate** and used **Spring Framework** to initialize managed beans and services.
* 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** and **transaction management** to distinguish **business logic** from the cross-cutting concerns.
* Used **Spring Security** for **Authentication and Authorization** of the application.
* Created **data model** and generated **Hibernate mappings** and **domain objects** using Hibernate tools.
* Interfaced with the **Oracle** back-end database by integrating **Spring** with **Hibernate**.
* Extensively used **hibernate** named queries, criteria queries, Hibernate Query Language (**HQL**) and Optimistic Locking and Caching to process the data from the database.
* Developed Unit /Integration test cases using **Junit**.
* Used **JIRA** tool for tracking stories progress and follow agile methodology.
* Developed the application using **Intellij** as the **IDE** and used its features for editing, debugging, compiling, formatting, build automation and **version control (SVN).**
* Involved in Maintenance and Enhancements for the project.

**Environment:** Java, J2EE, HTML, CSS, JavaScript, JQuery, Struts, Spring IOC, Spring MVC, Spring AOP, JDBC, Hibernate, My SQL, HQL, SQL, JUnit, Gradle, Unix, JIRA, Log4J, Intellij, SVN and Web Logic Server.

**Client: Prime Soft Solutions, Hyderabad, India May 2012 – July 2014**

**Role: Java/J2EE Developer**

**Description:** Prime Soft Solutions Inc offer Product Development, Enterprise Applications, Mobile Applications and Quality Assurance services to clients from venture funded start-ups to publicly traded companies in E-Commerce, Healthcare, Networking, Telecom and Banking.

**Responsibilities:**

* Involved in Requirement Analysis, Design, Development and Testing of the risk workflow system.
* Involved in the implementation of design using vital phases of the Software development life cycle **(SDLC**) that includes **Development, Testing, Implementation** and **Maintenance** Support in **WATER FALL** methodology.
* Created user-friendly GUI interface and Web pages using **JSP, HTML, CSS, AJAX, JavaScript** and **jQuery.**
* Involved in component development using **J2EE** principles and used design patterns such as **Singleton, Factory** and **Data Access Object (DAO)** in the implementation of the application.
* Responsible for designing, coding and developed the application in **J2EE** using **Struts MVC.**
* Implemented **Struts framework** (Action & Controller classes) for dispatching request to appropriate classes.
* Achieved synchronization of multiple threads through **Multithreading** and **Exception Handling**.
* Extensively used **JSON** to parse the data from server side to satisfy the business requirement.
* Developed **Struts Action Forms**, **Action classes** and performed action mapping using **Struts**.
* Developed **RESTful** and **SOAP** based **Web Services** to consume and produce data in **XML** and **JSON.**
* Consumed Web Services to interact with other external interfaces to exchange the data in different forms by using **Restful service**.
* Established Database Connectivity using **JDBC** for **MySQL**.
* Written **SQL queries**, **PL/SQL** store procedures and **Triggers** to fetch and store data from the database.
* Used **Log4J** for application logging and notification tracing mechanisms.
* Involved in bug fixing during the System testing, Joint System testing and User acceptance testing.
* Used **GIT** to check-in and check-out and co-ordinate among team members for Version Controlling.
* Used **NetBeans** IDE to integrate different frameworks to build application.

**Environment:**  Java, HTML, CSS, AJAX, jQuery, JavaScript, Struts, Web Services, SOAP, Restful, JSON, XML, JDBC, SQL, MySQL, ANT, NetBeans, JIRA, GIT, Jetty and UNIX.

**Client: Vision Infotech, Hyderabad, India Aug 2011 – May 2012**

**Role: Java Developer**

**Description:** The Company provides software products, IT services and business process outsourcing for a variety of industries including insurance, banking, capital markets, manufacturing and retail. The company also sells services such as Business Intelligence and analytics, testing and compliance, application development and maintenance.

**Responsibilities:**

* Implemented **Struts MVC** design pattern and front controller pattern to this project.
* Developed user interface by creating at least one webpage for each component using **Struts web MVC** and **Action Servlet** as front controller for this application.
* Developed Action Class components for performing business process execution and involved in configuration of struts configuration specific xml file.
* Developed SCM by using the **JSP/HTML** like one form for each functionality user interface, standard validations using the **JavaScript, Servlets** used as the controllers for the business logic and business logic using **JDBC, XML parsing techniques etc.** using **MVC**.
* Involved in developing the Routings and configured Routing Program as scheduled the concurrent request.
* Developed Server-Side components for the business services for creating Items, BOM, Sourcing Rules, and substitute.
* Involved in raising the Notifications to Oracle Users through Mailing Concept for intimating to start the next process using workflow.
* Extensively worked on Oracle for writing complex queries in the business logic layer. Used joins, debugging the SCM related packages and customization.
* Extensively worked on creating the setups for Organizations, Templates, Concurrent Requests, Cross Reference Types, User Creations, assigning responsibilities, creating value sets, Descriptive Flex Fields etc. in Oracle Applications.

**Environment**: Java, JDBC, Servlets, Struts, JSP, Hibernate, HTML, XML, CVS, RAD, Putty, Oracle, Web Sphere.