Keerthana Ravella

Java Full Stack developer

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Summary of Experience & Skills

- Around 5 years of professional experience in software development, encompassing design, development, and deployment of web-based and client-server applications.
- Exposed to various platforms and software systems with detailed knowledge of object-oriented programming and software development methodologies.
- Proficient in UI design and development, leveraging HTML/HTML5, DHTML, CSS/CSS3 (SASS, LESS), JavaScript, Bootstrap, JSP, Typescript, jQuery, JSON, XML, and AJAX, while adhering to W3C web standards.
- Hands-on expertise in using React JS to build interactive UIs with features like one-way data flow, Virtual DOM, JSX, and React Native concepts. Implemented various client-side interfaces using React.js, incorporating predefined components from NPM.
- Extensive experience with Spring Framework modules, including Spring MVC, IOC, AOP, JDBC, Spring Data, Spring Cloud, Spring Security, Spring REST, and Spring Batch. Successfully developed and deployed Microservices-based applications using Spring Boot and Spring Cloud.
- Developed and deployed Micro services-based applications using Spring Boot and Spring Cloud.
- Worked on validating RESTAPI's using Postman and automated the document using Swagger and WADL.
- Proficient in designing and optimizing relational database schemas using RDBMS such as MySQL, PostgreSQL, and Oracle.
- Proficient in working with Amazon Web Services (AWS) cloud services such as EC2, S3, RDS, DynamoDB, Elastic Load Balancing, Elastic Beanstalk, SNS, SQS, and IAM. Experience in message streaming by using Apache Kafka.
- Good experience and knowledge in various development methodologies like Rational Unified Process (RUP), Test Driven Development (TDD), Extreme Programming (XP), Scrum, Agile, UML and Rational Rose.
- Experience with Docker container system and container orchestration like EC2 Container Service, and Kubernetes.
- Skilled in using various Integrated Development Environments (IDEs) including Visual Studio Code, Eclipse, NetBeans, IntelliJ, and Spring Tool Suite.

Technical Skills:

Web Technologies	HTML, JavaScript, Spring, Hibernate, CSS, HTML5
Frameworks	Spring, Spring boot, Spring Security, Spring REST, Micro services, Node js, Express js
Database	My SQL, SQL Server,PostgreSQL
Web Server	IIS, Tomcat5.0/6.x/8.0.x, Apache Tomcat 5.0, XAMPP, and WAMP
Cloud Technologies	AWS, EC2, Docker, Kubernetes
Build Tools	Maven 3.3.9, Ant 1.10, Gradle 3.4.1, Jenkins

IDE's	Visual Studio Code, Notepad++, Eclipse, NetBeans, Microsoft Visual Studio 2005/2008/2010/2012, Spring Tool Suite, IntelliJ.
Unit Testing Tools	Junit, Mock Objects in Spring
Operating Systems	Windows 10, Windows 7
Version Control	GitHub, Gitlab, and Team Foundation Server (TFS)
SDLC Methodology	Agile(SCRUM), TDD, Waterfall

Academic Profile:

❖ Masters in Computer Science from Southeast Missouri State University in United States.

❖ Bachelor of Technology from Mallareddy Engineering College for Women, in Hyderabad.

Professional Experience:

Client: Northwest Health Services Inc / May 2023 - Present
Role: Java Developer
Employer Name: Piezos Technology
Responsibilities:

- Currently working on developing the cloud-based application, Smart Shop for GE aviation.
- Experience working with various modules like receiving, operations execution, user management, work scopes in Smart Shop.
- Experience working with cloud foundry applications. Hands on experience with all cli commands.
- Experience working with Micro services architecture. Analyzing the MVP architecture and proposing ideas in implementing the logic.
- Writing unit test cases using Junit and testing the webservice calls using POSTMAN. Used POSTMAN to test API calls. Hands on experience working with RESTful webservices. Experience working in Agile environment, attending day-to-day scrum calls, giving demos and actively participating in retrospectives, sprint planning and PRP sessions.
- Involved in the designing the application architecture model. Hands on with Cloud Foundry – Predix for debugging the application.
- Development, enhancement and testing of the application and Java services. Used web services for interaction between various components and created POST/GET/PUT requests.
- Experience working with process-oriented development process using GITHUB. Attending daily stand-up meetings and following Agile methodology for development process. Experience working with GitHub for version controlling. Familiar with all git commands.

Environment: Java/ JDK 1.6, JPA, Spring, PostgreSQL, Spring Tool Suite, JUnit, GitHub, RESTful webservices, Angular JS, Postico as a Query Tool, Postman, Cloud Foundry, Apache Kafka, CLI.

Organization: PPD /Aug 2021 to July 2022
Role: Java Developer
Employer Name: Skolix LLC

Responsibilities:

- Worked on developing new module GPCR for the ConneXion application. Analyzing the user requirements and specifications document. Involved in PI planning meetings and daily scrum calls to discuss the status of the work done.
- Experience working with enterprise application by integrating the backend (Java, Oracle, Spring) and frontend development code (Java script, HTML, CSS, React JS).
- Experience writing service calls using Spring MVC and testing the end points on POSTMAN. Used J2EE design patterns such as MVC, DAO and DTO as a Structured Java Classes.
- Designed Database Schema and creating new tables and Querying the database.
- Used Spring framework to implement the MVC design pattern for implementing business logic of the application. Primarily focused on the Spring components such as Dispatcher Servlets, Controllers, Model and View Objects, View Resolver.
- Involved in Design, development and testing of web application and integration projects using Object Oriented technologies such as Core Java, J2EE, JSP, JDBC, Spring Framework, Java Beans, Web Services (REST/SOAP), XML, XSLT, XSL, and Ant.
- Gathering requirements and understanding of business requirements and implement the process using Agile (Scrum) methodology.
- Designed and Developed service layer using Spring MVC. Developed configuration files, mapping files and Annotations to map the POJOs to DB tables managing associations and classes specific to the Spring.
- PostgreSQL database have been used in the storage section. Having responsibilities to create lots of SQL queries, stored procedures and triggers. Used Maven build tool to build and deploy the application.
- Performed Unit Testing Using Junit and POSTMAN. Extensive knowledge and experience in developing Single Page Applications (SPA) using ReactJS.
- Implemented JSP for the front end, Lots of JSTL tags, HTML 5 tags and CSS3 JavaScript, JQuery functions have been used. Followed test driven design (TDD) technique and worked on Pair programming.
- Performed the Backend Testing to ensure data consistency on front-end by writing and executing SQL statements. Experience working with cloud computing services like Google Cloud Platform (GCP).

Environment: Java/JDK 1.6, JSP, JavaScript, HTML5, CSS3, AJAX, Jira, Spring 4, Maven, Apache Kafka, IntelliJ IDEA , JUnit, REST, Node JS, React JS, Redux, Redis, Jersey RESTful Webservice, PostgreSQL.

Client: United Health Group (OPTUM Technology) /Feb 2020 to July 2021
Role: Java Developer
Employer Name: Source Mantra
Responsibilities:

- Worked on GPS (next Generation Policy System) application that runs on WebSphere Application Server v7.x.
- The application is designed and developed using IDE, IBM Rational Software Architect (RSA) installed using IBM Installation Manager.
- Hands on experience working with PL/SQL stored procedures, defining new packages, and implementing the business requirements.
- Experience working on Agile methodology and the application uses CA Agile Central platform (Rally) for teams to collaboratively plan, prioritize and track each status of the teamwork. Worked extensively on making applications more scalable and highly available system.
- Daily standup meetings with the team to co-ordinate the work with offshore team, QA testing work and with product owners to discuss the user stories and risks which were identified during PI planning.
- Experience working with Spring Web Services, created new versions of web service calls and added new fields to the request. The request and response of the web service were tested using SOAP-UI 5.2.0
- Fixing the issues identified during QA testing work or production deployment release time and in case of down-times sharing the QA work.
- Understanding the Business Logic for various enrollment periods and plans based on regions in Medicare and GPS integration with different systems. Testing the development work in different environments like DEV1, SYS1 to make sure the code is working as expected. Worked on TeamTrack production and created SCR's for different code changes.

Environment: IBM Rational Software Architect, IBM Installation Manager, IBM Rational Software Architect for WebSphere Software, CA Agile Central, WebSphere Application Server v7.x, IBM Workload Scheduler, Stored Procedures, PL/SQL Developer 10.0.5, Spring 2.x, SOAP, WSDL, XML, Enterprise Java Beans (EJBs), JDBC, JMS, Soap UI-5.2.0, IPswitch WS_FTP 12, UltraEdit Professional Text/HEX Editor 21.10.0, Team Track Production – Ovations Instance.

Client: Cognizant/ March 2019 – Jan 2020
Role: Java Developer

Capital One an enterprise application for simplifying & personalizing employee access to information, applications and business processes. It is a configurable platform for collection of applications and tools organized by primary business process. Contributed to the development of user-friendly interfaces, improving overall customer experience in digital banking.

Responsibilities:
- Utilized Eclipse in developing different J2EE components. Used servlets, JSPs and structs framework.

- Actively coordinated meetings and followed up with the clients for gathering project requirements and specifications.
- Analyzed the requirements and designed the ER diagrams in accordance with the specifications.
- Responsible for developing some of the PHP based frameworks.
- Developed programs using HTML, JSP, XML, and Servlets.
- Responsible for executing the JAVA web applications on the application server.
- Developed SQL Queries and stored procedures in SQL Server for retrieving the data from the database.
- Extensively used the JSP in the view side of MVC.
- Preparing the design documents and reviewing with the analysis team, development team and testing team.
- Extensively worked on presentation layers and simulators developed with Struts.
- Utilized SQL Queries and Stored Procedures extensively in retrieving the contents from SQL Server.
- Responsible for the Analysis and detailed Design of the Database Tables.
- Utilized JSP for taking the user input and sending it to the Java business classes and photoshop to design buttons and menus for the website.

Environment: Struts, MVC, Java, J2EE, JavaScript, HTML, JSP, Ajax, Servlets, XSL, XML, Web sphere, Eclipse, Apache Tomcat, SQL Server, PHP, JDBC.

Internship at Cognizant/ June 2018 to Feb 2019
This is an online application where the bank customers can choose from various offers for extending their credit limits and make security deposit.

- Involved in Analysis, Design and Development of the different web modules.
- Collaborated with a team of 4 on a banking system project.
- Worked on front end Angular part and few microservices are developed with the java springboot.
- We learnt all the technical skills and completed the project within time.
- Involved in Peer Reviews, Presenting the Design Walkthrough to the Client Business Team.
- Worked on various Enhancements.

Environment: MVC, Java, J2EE, JavaScript, HTML, Maven, Ajax, Angular, Springboot, Visual Studio, SQL Server , JDBC, Postman.