

Harsha Vardhan Reddy

Java FullStack Developer

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Professional Summary:

- Having around 2 Years of Experience in the web application development and maintenance services using JAVA, J2EE (JSP, SERVLET), SPRING, HIBERNATE in MVC architecture.
- Expertise in working with Developer IDEs like ECLIPSE, STS.
- Good working experience and implementation skills in developing Spring Boot Services.
- Good working experience on Object-Oriented Programming concepts.
- Good working experience on J2EE Design Patterns.
- Good team member, positive attitude and Self-motivated, quick learner, willing to adapt to new challenges & new technologies.
- Implemented efficient data structures and algorithms to address complex business logic requirements, ensuring high performance and scalability of Java-based web applications.
- Applied DSA concepts to optimize resource utilization and enhance the overall responsiveness of web applications, resulting in improved user experience.
- Demonstrated proficiency in analyzing and solving algorithmic challenges, contributing to the development of robust and reliable software solutions.
- Actively engaged in continuous learning and exploration of new DSA techniques and methodologies to stay updated with industry best practices and emerging trends.
- Collaborated with cross-functional teams to share knowledge and insights on DSA implementations, fostering a culture of innovation and excellence in software development.
- Leveraged advanced data structures and algorithms to optimize performance and scalability of web applications developed using Java.
- Applied strong understanding of DSA concepts to design efficient solutions for complex business requirements.
- Demonstrated proficiency in implementing DSA principles within the context of J2EE frameworks such as Spring and Hibernate.

Technical Skills:

Languages	Java
Web Technologies	HTML, CSS, XML, JavaScript, JS
Data Base Software's	MySQL, SQL (Oracle SQL Developer, MySQL Workbench)
JSE Technologies	JDBC
JEE Technologies	Servlet, JSP
Frameworks	Spring Frameworks, Spring MVC, Spring Core, Spring Boot, Spring JDBC etc...
Server	JBOSS, TOMCAT
Logging Tool	Log4J
Building Tool	MAVEN
Version Tool	SVN Tortoise, GIT Hub
ORM Tools	HIBERNATE
Other	Word press, Android Studio.

Technical Summary:

- Leveraged advanced data structures such as hash tables, priority queues, and graphs to solve complex problems and optimize performance in various application modules.
- Implemented algorithmic solutions for tasks such as data compression, encryption, and pattern matching, ensuring data security and integrity in Java-based applications.
- Utilized DSA principles to design and implement efficient caching mechanisms, reducing latency and improving response times for frequently accessed data.
- Applied graph algorithms such as Dijkstra's algorithm and depth-first search (DFS) to model and analyze interconnected data structures, facilitating decision-making processes in business applications.
- Employed dynamic programming techniques to optimize resource allocation and scheduling algorithms, enhancing efficiency and scalability in resource-intensive environments.
- Contributed to the development of reusable DSA libraries and components, promoting code reusability and maintainability across multiple projects and teams.
- Applied data structures and algorithms to enhance backend functionalities, including database operations and business logic implementation.
- Utilized DSA techniques for optimizing data retrieval, manipulation, and storage processes within the application.
- Employed advanced data structures like trees and graphs to model complex relationships and improve system efficiency.
- Implemented algorithmic solutions for tasks such as sorting, searching, and filtering data in various components of the application stack.
- Collaborated with cross-functional teams to analyze and address performance bottlenecks using DSA-driven optimizations.
- Expertise on **SQL Database** programming in Oracle.
- Expertise on **SQL Queries**.
- Good experience on **TABLE Views, Sub Queries and Joins**.
- Good experience on understanding **Java** programming language, **Core Java**.
- Performed in backend using Core Java.
- Good working experience in **Data types, Loops, Switch, Objects in Java, OOPS, Exception handling, File Handling, Multi-Threading, Reg ex**.
- Good experience on web pages development, creating static web pages that are displayed on the browser using **HTML5**.
- Good experience in the use of **CSS3** by describing the look and formatting of a document which is written in the mark-up language.
- Good experience on **Bootstrap**.
- Representation of Data types in **JavaScript**: Objects, Functions, Arrays.
- Good experience in **HTML, CSS, JavaScript**.
- Good experience in **Mapping Servlets & JSP**.
- Good working experience in understanding **Spring MVC**.
- Working experience in using **GIT Hub**.
- Good experience in building the **Maven**.
- Experience in developing **REST API's**.

Work Experience:

Working as a **JAVA FULLSTACK DEVELOPER** at **iTroSys Technologies**

Bangalore from Sep 2022 till date

Project Details:

Project 1

Project: OTR Insurance

Team Size: 15

Role: FullStack Developer

Environment: JDK1.8, Servlets3.1, JSP2.2.1, Spring3, Spring MVC, Oracle11g, Core Java, Hibernate 4.2.10, JDBC, Tomcat 8.0, Maven, iBiatis

Modules: Accounts Module, Collections Module, Benefits and Payments Module

Description:

OTR is a health Insurance project undergoes the term insurance that covers the whole or a part of the risk of a person incurring medical expenses, spreading the risk over numerous persons based on his risk in profession. The project involves the party both for Individual and the corporate.

Responsibilities:

- Designed and implemented data structures and algorithms to support real-time data processing and analysis in the Accounts, Collections, and Benefits modules of the OTR Insurance project.
- Utilized advanced sorting algorithms such as merge sort and quicksort to efficiently organize and retrieve data from large datasets stored in Oracle databases.
- Developed custom data structures and indexing mechanisms to optimize database queries and improve search performance in the OTR Insurance application.
- Implemented graph traversal algorithms to analyze and visualize complex relationships between insurance policies, clients, and claims, facilitating data-driven decision-making for insurance providers.
- Collaborated with database administrators to optimize SQL queries and database schemas based on the principles of data normalization and indexing, ensuring efficient data storage and retrieval.
- Actively participated in design discussions and code reviews to identify opportunities for DSA-driven optimizations and enhancements, contributing to the overall performance and reliability of the application.
- Employed data structures such as arrays and linked lists in the design and implementation of Model, View, and Controller components within the Spring framework.
- Utilized advanced algorithms to optimize database interactions and improve response times for critical application features.
- Leveraged DSA concepts to develop efficient algorithms for processing and analyzing large datasets related to insurance policies and claims.
- Implemented caching strategies using appropriate data structures to enhance performance and reduce database load.

- Collaborated with team members to identify and implement DSA-based solutions for improving code maintainability and extensibility.
- Conducted code reviews to ensure adherence to DSA best practices and identify opportunities for optimization.
- Participated in Agile/Scrum ceremonies to discuss and prioritize tasks related to DSA enhancements and performance optimizations.
- Involved in developing Model, View and Controller components using Spring.
- Involved in implementing Hibernate and Hibernate mapping files.
- Involved in implementing Hibernate Custom Generator class.
- Good experience in Struts.
- Worked on Struts.
- Involved in code development, deployment Document Preparation.
- Collaborated with cross-functional teams to gather and analyze project requirements.
- Designed and developed responsive user interfaces using React, HTML, and CSS, ensuring a seamless user experience.
- Developed and maintained backend APIs using Spring Boot, Hibernate, and RESTful principles.
- Implemented authentication and authorization mechanisms for secure user access.
- Optimized database queries and improved application performance.
- Participated in code reviews, debugging, and troubleshooting to ensure code quality and maintainability.
- Worked with continuous integration and deployment tools to streamline the development process.
- Contributed to the development of RESTful web services and integration with third-party APIs.
- Conducted unit testing and integration testing to ensure code reliability.
- Actively participated in Agile/Scrum ceremonies and sprint planning.

Education Qualifications:

- Graduated from GITAM University B.Com Commerce & Computers, Vishakhapatnam, Andhra Pradesh, (2019-2022).
- HIGHER SECONDARY from Board of Intermediate, Andhra Pradesh (2018 Batch).
- SENIOR SECONDARY from Board of Secondary Education, Andhra Pradesh, (2016 Batch).

Declaration:

I hereby confirm that all the information provided above is correct and don't hesitate to contact me for any further information.

(Harsha Vardhan Reddy)