Tejasree Taluri

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SUMMARY

Master's in Computer Science student with over 2 years of experience as an Associate Software Engineer, skilled in designing, developing, and maintaining software solutions. Proficient in various software development tools and technologies, with strong collaboration skills in Agile environments to deliver high-quality software services.

EDUCATION

DePaul University, Chicago, IL, USA   **January 2023 - March 2025**
Master's in Computer Science (GPA: 3.73/4)
Relevant Courses: Web Applications, Mobile Application Development for Android, Applied Algorithms and Data Structures, Database Programming, Object Oriented Software Development, Software Testing.

Cambridge Institute of Technology, Bangalore, India   **August 2015 - June 2019**
Bachelor's in Information Science and Engineering (GPA: 3.5/4)
Relevant Courses: Python programming, Java Programming, Object-Oriented Programming, Database Management System, Operating Systems, Web Technology, Computer Networks.

TECHNICAL SKILLS

Programming Languages: Java, C++, Python, Object Oriented Programming (OOP), Data Structures and Algorithms
Web Development: JavaScript, React.js, Node.js, Bootstrap, HTML, CSS, XML
Databases: MySQL, SQL, PL/SQL, DBMS, Oracle
Other: Linux, Microservices, GitHub, Spring framework, REST APIs, Postman tool, SQL, Software Development Lifecycle (SDLC)

EXPERIENCE

Associate Software Engineer, JMR Infotech, Bangalore, India   **February 2020 – November 2022**
- Implemented scalable, reusable REST APIs using Java with Spring Boot, enhancing data retrieval through integration with PL/SQL queries while conducting performance testing using tools like Postman.
- Developed and deployed Java Spring-based *web services* enabling seamless banking queries via a WhatsApp chatbot.
- Led enhancements in an *Android mobile application*, utilizing Java and XML to improve employee data management.
- Designed interactive web pages for a *Web Application* using Angular JS, HTML, and CSS, enabling users to manage shareholder records with advanced filtering and data visualization capabilities.
- Automated the transfer of complex user data from MS Excel to the production database through comprehensive SQL queries, reducing manual effort by 30% and improving operational efficiency.
- Engaged in calls and meetings with clients to gather and clarify project requirements, ensuring alignment with business needs and emphasizing user friendly design.
- Collaborated with cross-functional teams, enhancing communication and teamwork, which improved project efficiency and led to the successful completion of software development projects.

PROJECTS

ToDo List Web Application (JavaScript, React, Bootstrap, Node.js, dotnet) (GitHub-Repo)   **November 2024**
- Developed a dynamic To-Do List Web Application with React and Bootstrap, supporting task creation, editing, Move-to other list and color-coding logic based on due date proximity.
- Refactored backend API to serialize and persist tasks in a JSON file, ensuring data reliability and seamless recovery across backend restarts.
- Enhanced UX by leveraging React state management (useState) and PUT/POST methods for responsive form handling, enabling real-time task updates and backend synchronization.

Date/Time Calculating Android Mobile Application (Java, Xml, Android Studio) (GitHub-Repo)   **September 2023**
- Developed an Android mobile application using Java & xml that allows users to calculate new dates/times by adding or subtracting hours, days, weeks, or months from the current date.
- Designed responsive UI for both portrait and landscape orientations and maintained data persistence across device rotation, ensuring inputs, results, and history logs remain intact during orientation changes.
- Ensured compatibility with Android SDK 28 and tested across multiple device resolutions using Pixel emulator series.
- Focused on preventing crashes and ensuring smooth user experience through rigorous testing and debugging.

Smart Social Banking - (Java, Spring boot, Json, REST APIs, MVC)   **March 2021**
- Developed and implemented REST APIs using Java Spring Boot to enable seamless data retrieval from a WhatsApp chatbot, facilitating transactions like balance inquiries and loan details.
- Integrated PL/SQL queries in oracle database to optimize backend data access, enhancing application performance and supporting scalable architecture.
- Collaborated closely with front-end teams to ensure smooth API integration and delivered an intuitive user experience, applying MVC design principles throughout the development process.
- Helped design and implement new features while enhancing existing ones during multiple sprints.

JMR Decision Support Solution (JDSS) Web application - (JavaScript, Json, PL/SQL)   **April 2020**
- Designed and developed multiple web pages using Java, JavaScript, HTML, and CSS for a web application that enables users to maintain and manage records of shareholders affiliated with a specific bank.
- Implemented filters and advanced features to calculate the count of shareholders joined in a specific year, with the ability to display results in various data visualization formats, including pie charts, bar graphs, and line graphs.
- Thoroughly debugged and tested the application by writing and executing PL/SQL queries to ensure accuracy and reliability.