

Vishwas Verma

Software Tester

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Summary: Self-motivated Software Developer skilled in Core Java, Advanced Java, JEE, and C/C++. Proficient in Spring Boot, Spring MVC, Hibernate, MySQL, and RESTful Web Services. Experienced in Agile and Waterfall SDLC models, with strong knowledge in data structures, algorithms, OOP, and automated testing tools like Selenium and JMeter. Committed to high code quality and eager to contribute effectively to a dynamic organization.

Skills

- **Programming Languages:** Core Java, Advanced Java, Java Enterprise Edition (JEE), C, C++
- **Java Frameworks and Technologies:** Spring Framework, Spring Boot, Spring MVC, Hibernate (ORM)
- **Databases:** MySQL, SQL, NoSQL
- **Web Technologies:** RESTful Web Services, HTML, CSS, JavaScript
- **Software Development Life Cycle (SDLC):** Waterfall, Agile (Scrum and Kanban), V-Model, Spiral, RAD
- **Software Testing Life Cycle (STLC):** Requirement Analysis, Test Planning, Test Case Development, Environment Setup, Regression Testing, Manual Testing, Automated Testing (Selenium), Load Testing (JMeter), API Testing (Postman)
- **Others:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP)

Projects

- **Drug Distribution Management System:** Full-stack web application built using Spring Boot (backend), MySQL (database), and React.js (frontend) to manage drug distribution. Integrated RESTful APIs for communication between backend and frontend.
- **Home Automation System:** Built an IoT system to remotely control home appliances using C++, Arduino IDE, and MQTT. Worked collaboratively with cross-functional teams to gather requirements and document technical specifications.
- **Smart Gamla / Pot:** Developed a smart plant pot with sensors for soil moisture, light, and temperature monitoring using C++, Arduino IDE, and ESP modules for automated care.
- **Temperature Conversion Application:** Developed a Java-based application using Spring Boot to convert temperatures between Celsius, Fahrenheit, and Kelvin.
- **Guessing Game:** A Java-based game that generates random numbers and allows users to guess, providing feedback if the guess is too high or too low. It tracks the number of attempts taken to win.
- **Contact Management System:** Built with Java and Spring Boot, this system manages contact information, allowing users to add, update, and delete contacts, with persistent storage functionality.
- **Sudoku Solver:** Developed both a Java-based solver and a web-based Sudoku solver using backtracking.
- **Basic Calculator:** A JavaScript-based calculator designed to perform mathematical operations.
- **Music Player:** A JavaScript application enabling users to play and control music in responsive user interface.
- **Personal Portfolio Website:** A personal website created using HTML, CSS, and JavaScript to showcase professional skills, projects, and experience.

Internships and Certifications

- Backend Development Intern, **Unified Mentor** (Aug '24 – Present)
- Software Development Intern, **Prodigy InfoTech** (Aug '24 – Sept '24)
- Java Programming (Apr'22 - May'22) & IoT and Embedded System (Jan '22 - Feb '22), (**NIELIT**)

Education

- **PG-Diploma:** CDAC ATCS, Infoway Pune (Sept '23 - Feb '24) - Grade: 64%
- **B.Tech:** Bhilai Institute of Technology, Durg, Chhattisgarh (Aug '19 - June '23) - EnTC, Grade: 82%
- **HSC:** S.S.A.V., Hudco, Bhilai (May '18 - Feb '19) - Grade: 61%
- **SSC:** D.A.V. Public School, Hudco, Bhilai (June '16 - April '17) - Grade: 74%