

Shakthy D

Software Engineer | Cognizant

■ Chennai | ☎ 2318686@cognizant.com | ■ github.com/CybermindDBS

Professional Summary

Detail-oriented Software Engineer with practical experience in test automation and software quality assurance. Skilled in building reliable frameworks using Java, Selenium, and TestNG to enhance efficiency and maintain high-quality standards. Enthusiastic about full-stack development and continuous learning to contribute to robust and scalable engineering solutions.

Experience

Software Engineer | Cognizant — Aug 2023 – Present

- Develop and maintain automation scripts using **Selenium**, **TestNG**, and **Page Object Model (POM)**.
 - Work closely with development teams to enhance reliability and testing coverage.
 - Perform regression, functional, and integration testing as part of **CI/CD pipelines**.
 - Continuously improve automation framework efficiency and reporting accuracy.
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Education

B.E. in Computer Science and Engineering

Veltech High Tech Dr. RR & Dr. SR Engineering College, 2023

Technical Skills

Languages: Java, JavaScript

Testing Tools: Selenium WebDriver, TestNG, UFT (basic)

Frameworks: POM, Hybrid Frameworks

Build & CI/CD: Maven, Jenkins, Git

Databases: H2, SQLite

Web Technologies: HTML, CSS, Spring Boot, Thymeleaf

Others: Postman, REST API Testing, JDBC, Hibernate

Projects

1. Web-Based Applicant–Recruiter System (Spring Boot + JPA + Thymeleaf)

- Built a full-stack web application enabling recruiters to manage job listings and applicants efficiently.
- Implemented CRUD operations, JWT authentication, and data handling using **Spring Data JPA**.
- Integrated responsive UI with **Thymeleaf** and **Bootstrap**.

2. Expression Evaluator Engine (Java)

- Designed a mathematical expression parser supporting **variables**, **scope**, **trigonometric functions**, and **operator precedence**.
- Implemented using **recursive descent parsing** for flexible evaluation logic.

3. Selenium Grid Automation Project

- Configured **Selenium Grid** for distributed parallel execution and developed **TestNG-based** automation scripts.