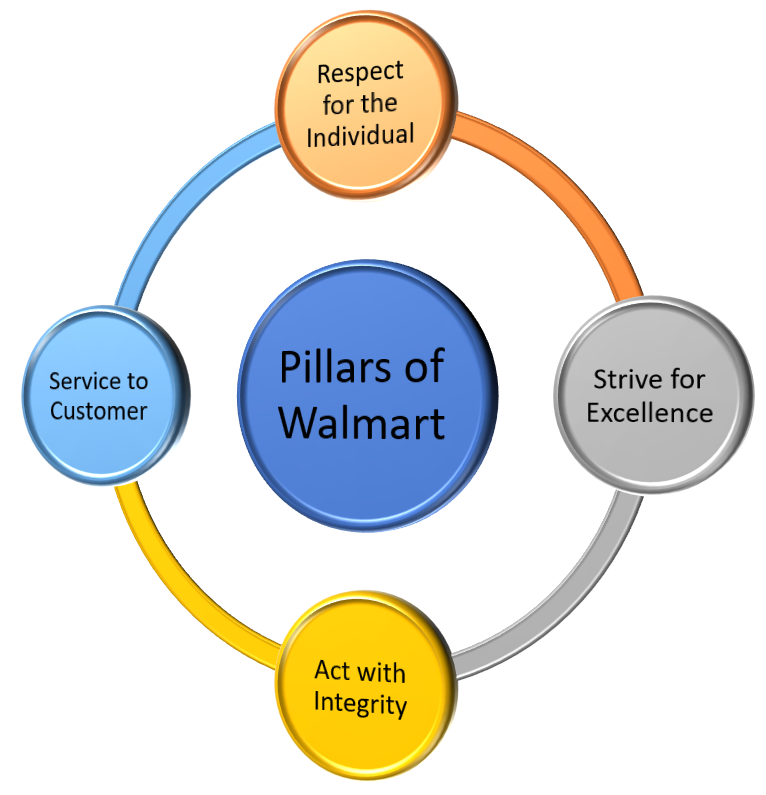
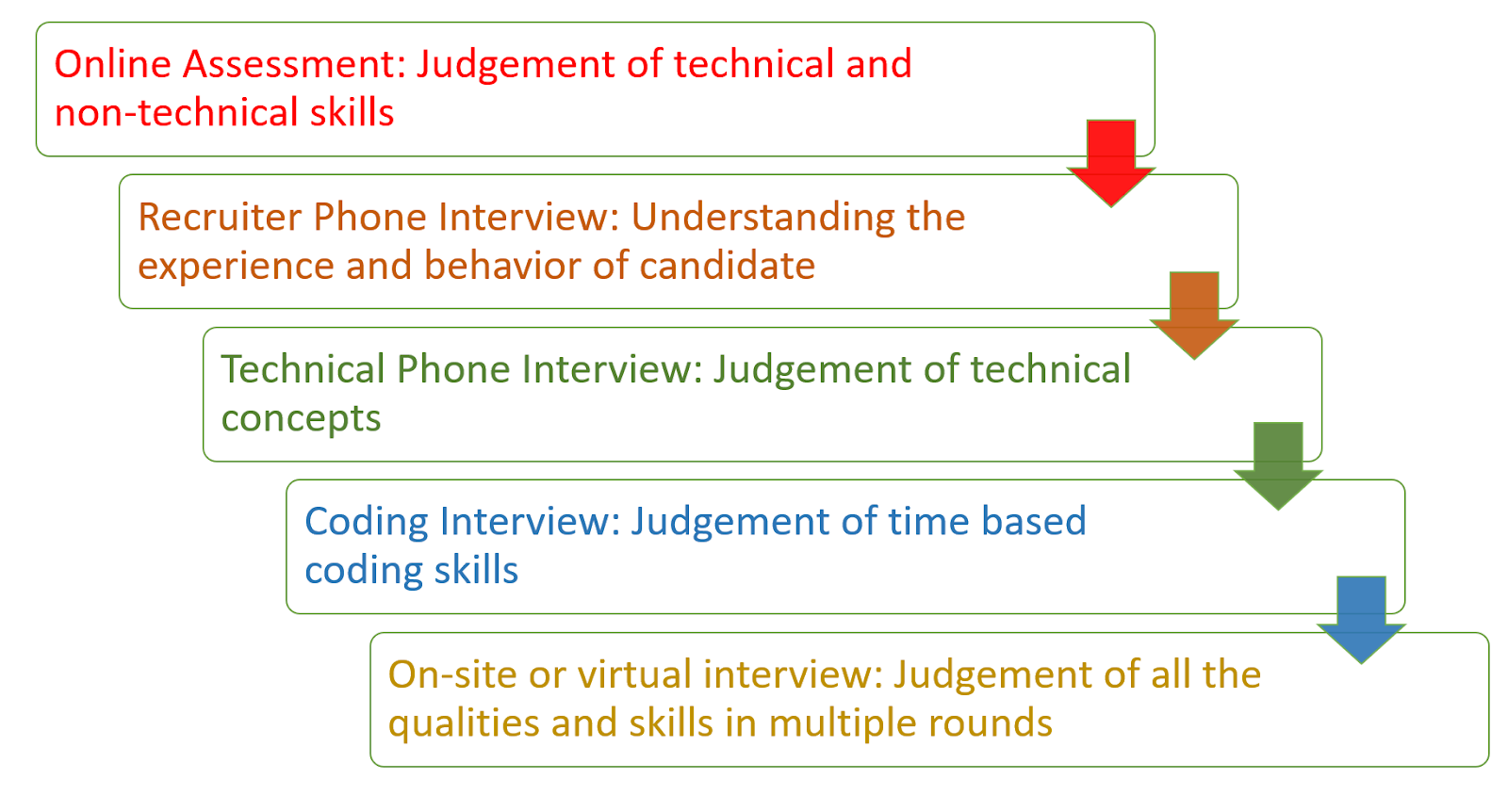
**WALLMART**

Walmart Inc. is an American multinational retail corporation that operates a chain of hypermarkets, discount department stores, and grocery stores, headquartered in Bentonville, Arkansas. 

Please do Click this link below for a detailed info about **Tech Stack/Technology/Tools** at Wallmart: [About Wallmart](https://medium.com/@NiveR05/walmart-tech-stack-a328a8606e1b#id_token=eyJhbGciOiJSUzI1NiIsImtpZCI6IjY3NGRiYmE4ZmFlZTY5YWNhZTFiYzFiZTE5MDQ1MzY3OGY0NzI4MDMiLCJ0eXAiOiJKV1QifQ..g4Er2chwmNhTD8-4rooxZacMCbWpuyqFlTXb_S8YElHC914QQqHXhdrqltGbV7uZduwB9uTkV1SakxcMXZ4JfUHvB4NrfsBZTP6Ue08n6k3TzqB5JrVTjVRgz8pM8GZn4oyAq0MP6XG7gmCHqGoe3x9CFhnxJjInZIw9g9XM25wUaMvlnJJ738sDfJs6sIB-EGr_4gLWiR9IXALEcnAM7npj2KHz-ar6ma46-YHfSh7RQiWbp7CBpuSuvzGlSe9xLQptxM7l35Hsm6-U6KQtfOhFiYpBhK71Af-nWZbz4OsubAQwvVVpXv0Z7lHxXmjSNTafjGviYjGqhKzZRyDBHQ)

**Interview Rounds:**



## **Job Description**

Function: Software Engineering → QA / SDET

**Responsibilities / What you will do :**

* Perform quality assurance testing for large-scale, commerce applications, tools, and/or software.
* Support continuous integration process improvement and innovation.
* Support faster releases through efficient automation strategies.
* Write test plans and test cases.
* Design framework and write test cases for Mobile Apps and apis.
* Logs verification - backend and frontend.
* Raise defects, triage, and get them resolved in a timely manner.
* Improve, optimize, and identify opportunities for improved software development lifecycle.
* Troubleshoot critical defects and identify root causes.
* Work closely with the Developers and Engineers to achieve a high level of code coverage
* Build and create automation test suite and platforms for enabling application testing and ease of deployments.
* Interact with Walmart engineering teams across geographies to leverage expertise and contribute.
* Engage with development to drive the agenda.
* Drive the success of the implementation by applying technical skills, to design and build enhanced processes and technical solutions in support of strategic initiatives.
* You will use your engineering experience and technical skill to develop highly scalable and robust automation test solutions. You will work with Engineering Lead/architect.
* Work closely with the Architects and cross functional teams and follow established practices for the delivery of solutions meeting QCD (Quality, Cost & Delivery). Within the established architectural guidelines.
* Participate in hiring and build teams enabling them to be high performing agile teams.
* You will help and participate with the teams that leverage and contribute to open source technologies to Make impact on a global scale
* Interact closely for requirements with Business owners and technical teams both within India and across the globe.
* You will work with the team and guide them on help troubleshoot issues.
* Work with cross-functional teams to ensure quality throughout the software development lifecycle
* The candidate should be able to successfully multi-task, and thrive in a dynamic, fully engaged QA role.
* The role will involve interacting with Product Owners, developers, Architects, external vendors and other QA teams.
* Candidate will be working on the team incorporates agile methodologies including Scrum, Test Driven Development, Continuous Integration and Continuous Delivery in its development processes along with Exploratory Testing as needed.
* We are looking for a hands-on Technical QA automation Engineer who has experience in both Manual/Exploratory Testing and Functional Test automation using test automation tools like Selenium, Cucumber BDD framework, REST Assured API, JAVA with JDBC .
* The candidate is expected to contribute in a hands-on fashion on the project as well as take ownership of various QA deliverables.  
  You will work with the team and guide them on help troubleshoot issues.

**Requirements/What you should bring:**

* Proficiency in Troubleshooting and Debugging Application Issues at each Micro Services Level.
* Experience with automation design, scripting, and execution.
* An understanding of requirements analysis, design, coding, and unit testing of scalable, distributed, fault-tolerant applications.
* Familiar with agile or other rapid application development.
* Expertise in building Test Automation Frameworks using **Rest Assured/Selenium, TestNG, API/Web-**services automation in Java.
* Expert in Continuous integration process implementation by building CI / CD Pipelines using J**enkins and Integrating with Mavens.**
* Strong expertise in coding and programming skills in Java.
* Knowledge of professional software engineering practices and best practices for the full software development life cycle, including coding standards, code reviews, source control management, build processes, testing, and operations.
* Ability to work in a results-oriented, rapidly changing, dynamic and fast-paced environment that requires collaboration across multiple stakeholders and constituents.
* Strong understanding of quality, testing principles, and writing effective test cases.
* Good understanding of **black/white/grey/glass** box test methodologies.
* Experience in Mobile App functional testing and UI Automation on iOS /Android is a plus.
* Experience with e-commerce is a huge-plus.
* Experience with Performance Engineering is a plus.
* Experience and Good working knowledge of **RDBMS Databases** for a Unix platform.
* Expertise to build Dashboards & Reports which improve software engineering productivity.
* Experience in building UI and API Test Automation Frameworks and libraries
* Proficient in automating tests using **Selenium, Cypress, WebdriverIO, Appium**, or similar frameworks.
* Server-side API testing, Integration testing and solid understanding of REST API’s
* Proficient in using **JIRA** to log defects, develop test scenarios, execution and create status reports/dashboards.
* Experience in writing complex SQL queries.
* Experience in setting up **CI/CD** pipeline with **Jenkins and GitHub**
* Experience in **Agile / Scrum / Kanban** model.
* Experience in troubleshooting test failures and make appropriate fixes.
* Experience in performing feasibility, compatibility test & prototyping for various features.
* Identifying trends / Pattern Recognition skills
* Accurately estimate timelines for test activities
* Experience in Functional and Integration testing with cross browsers or products
* Documenting risks, issues, assumptions, and dependencies and proactively managing them.
* Clear communication skills to work closely with stakeholders on Sprint/Test Strategy
* Good interpersonal skills - including negotiation, facilitation, and consensus building skills; ability to prioritize, influence and persuade without direct control.
* Ability to work independently as well as a team player.
* Experience in building test suites using web and mobile automation tools like **Selenium, Cypress,Appium, Cucumber** etc.
* Experience in server-side API testing, Integration testing and a solid understanding of REST API’s.
* Ability to troubleshoot questions about data quality in **SQL**
* Experience in analyzing, investigating, verifying, recreating, documenting, and triaging software issues and tracking them to resolution.
* Proficient in any of the programming **Java, JavaScript, Python,**
* Experience in **Postman, Eclipse, JUnit, Maven, Gradle, TestNG, POI** and respective open source or similar tools.
* Experience in Functional and Integration testing with cross browsers or products
* Experience on **Regression, Performance & Load Testing**
* Documenting risks, issues, assumptions, and dependencies and proactively managing them.
* Clear communication skills to work closely with stakeholders on Sprint/Test Strategy
* Good interpersonal skills - including negotiation, facilitation, and consensus building skills; ability to prioritize, influence and persuade without direct control.
* Ability to work independently as well as a team player.
* Ability to troubleshoot questions about data quality in **SQL**
* Experience in analyzing, investigating, verifying, recreating, documenting, and triaging software issues and tracking them to resolution.
* Experience in developing automation framework at various levels - component, integration and E2E
* Support continuous integration process improvement and innovation.
* Experience testing different web service methodologies REST, Web services. JSON
* Validating and certifying web services using soap UI / Selenium / cucumber /JMeter
* Strong prior experience in QA test technologies such as Junit, Selenium or equivalent technologies
* Added Advantage of any **Cloud Platform, docker, kubernates**
* Added Advantage of handling dockers containers with Kubernetes
* Experience with white box testing and building **testing frameworks**
* Knowledge on cloud platforms like **Microsoft Azure**
* Good understanding of OOPs concepts and strong in core Java skills.
* Good understanding of database concepts.
* Ability to work on well **documented API's** in any languages
* Experience in **Selenium and appium.**
* Knowledge and working experience on **Restful/SOAP** web services

**INTERVIEW PROCESS**

**PATTERN 1:**

Round 1 (Online Coding and MCQ’s):

The test was held on HackerEarth and total duration of test was 60 minutes. It consisted of 1 Coding Problem (50 Marks) along with 10 MCQ’s (5 marks each).Out of those 10 MCQ’s, 1–2 were aptitude based, 3–4 were based on Data structures and Algorithms, 3–4 were based on OOPS. The coding problem was of medium difficulty but slightly tricky. It was basically a variant of Dijkstra’s Algorithm.

Round - 2 (HR F2F Round)

**PATTERN 2:**

Then there were 4 interview rounds (2 technical+1 managerial+1HR round)

1st tech round- basic 2–3 coding questions were asked relating to trees, arrays and DP.

2nd tech round- coding questions related to graphs, trees, linked lists were asked and 1 data structure designing question was asked

3rd round - managerial round- questions regarding my projects mentioned in the resume were asked and basic HR questions as tell your strength weakness etc were asked.

4th round - HR round- questions related to my hobbies (mentioned in the resume) , coding interests etc. were asked and then a normal conversation about work at walmart profiles etc.

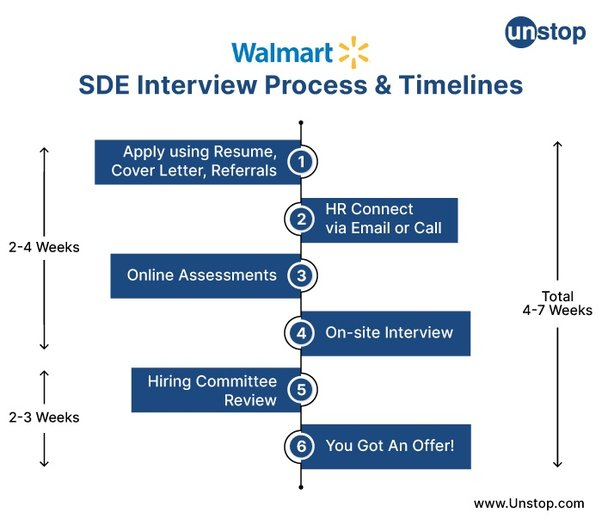
Based on the seniority of the position, you can expect 2–5 rounds of Technical Interviews. These interviews (again - based on your experience and the position being hired for) will cover:

Basics of Programming, Data Structures and Algorithms, Problem solving. The intent is to evaluate the candidate’s programming fundamentals and problem solving abilities

**QUESTIONS:**

**Coding** - most teams use Java but the choice of a programming language could change based on the role/team/product. This would involve providing a programmatic solution to a problem - the expectation is to think about through different use cases for the given problem. Some teams use online tools for programming evaluation and others simply have the candidate do this with pen and paper

**Design and Architecture** - senior candidates are expected to demonstrate a clear thought process that would ensure the solution being provided is robust and will withstand the test of time. Candidates here are evaluated for their ability to think out of the box taking into consideration the larger environment the solution will reside in, trade off between ideal design and practical considerations, limitations, etc.



**Technical Round** : (60min)S

**KEY SKILLS:**

Strong knowledge of one Programming Language

*Java-*

* What is the major advantage of auto boxing? How to define custom annotation?
* Out of multiple threads if thread throws Run time exception what happens to other threads?
* Implement LRU cache without LinkedHashhMap
* Explain garbage collection process in JAVA
* Explain JAVA memory model
* Difference between IsInstance and Instanceof
* Can you override methods of Arraylist? If so how
* Difference between Hash Map and Tree Map
* Explain Concurrent hash map
* Thread,context switching
* static keyword,interface and abstract difference,
* What would happen if we write “public void main(String[] args) ” instead of “public static void main(String[] args) “?
* JRE , JDK , which version,OOPs ,collections,Hashmap,treemap

*Scenario based Automation –* Selenium concepts +automation

*Rest assured Automation*

*Mobile automation*- high level questions (theory)

*TestNg,Cucumber,*- Indepth , Annotations

*Set up Jenkins*  
*Rest Asuured -* TIme out, Validate *-* json, Response

*Any project?*

*Puzzles-*

NOTE: *SQL Queries* also asked

**CODING:**

1)Array manipulation- Find the second largest element in an array in a single iteration without extra space. Find the length of the subarray with the and longest consecutive 1s in a binary array. .

2)String- unique character(String can be in any case), Remove spaces in a string without using inbuilt function and taking constant space, Check whether the given strings are anagrams

3)Queue,Stack,Linked list(How to insert and delete an element from a doubly linked list.),quick sort

4)Balanced paranthesis,

5)LinkedList- Imp -> Reverse Linkedlist

6)Trees,No of leaf nodes,Given Tree BST or not

7)DP- Dynamic Programming

[Coding Questions -1](https://prepinsta.com/walmart-coding-questions-and-answers/)

[Wallmart Interview guide](https://www.interviewkickstart.com/blogs/interview-questions/walmart-interview-questions)