# Problem Statement: Developer Performance Tracking in Horizon CI/CD

## Current Problem

1. Lack of Visibility on Developer Contributions:

- There is no automated way to track developer productivity in Horizon CI/CD.

- Developers manually review JIRA tasks to assess contributions, leading to inconsistencies.

2. Inefficient Story Point Weightage Analysis:

- Story points assigned to developers are not analyzed for efficiency (e.g., whether they are over or under-allocated).

- There is no insight into how well a developer performs compared to the assigned story points.

3. Manual Checking of JIRA Story Status Before Release:

- Developers manually check Acceptance Criteria, Labels, and Story Points before release.

- This leads to delays and missed validations, increasing the risk of last-minute deployment failures.

## Target State (Solution)

1. Automated Developer Performance Tracking Using a Chatbot:

- The chatbot will track developer contributions based on completed tasks.

- It will generate performance insights using story point weightage and completion metrics.

2. Graphical Reports for Productivity Analysis:

- The chatbot will provide visual reports on completed tasks and corresponding story points.

- This will help identify areas for improvement and optimize workload distribution.

3. JIRA Story Validation Before Release:

- The chatbot will automatically check JIRA stories against:

- Acceptance Criteria (ensuring business requirements are met).

- Story Points (matching estimated vs. actual efforts).

- Labels (categorizing work properly).

- This will ensure correctness before deployment, reducing risks.

## Expected Impact

✅ Saves Time – Automates developer tracking and JIRA validations.

✅ Improves Accuracy – Reduces manual errors in tracking story points.

✅ Enhances Developer Productivity – Provides actionable insights to optimize work.

✅ Standardizes Process – Ensures JIRA stories meet release criteria automatically.