

Bug Fix Verification Report

Bug Fix Verification Report: #1885 - Selected Calendar Date Changing

1. Issue Description

****Bug ID**:** #1885

****Description**:** When selecting a specific date (e.g., March 4) from the Calendar View to create an event, the "Ready to Schedule" confirmation page incorrectly displayed the previous date (e.g., March 3). This led to events being scheduled for the wrong day.

****Severity**:** High

****Status**:** Resolved

2. Root Cause Analysis

- ****Timezone Conversion**:** The `CalendarView` component was converting the selected local date to a UTC string using `date.toISOString()`.
- ****Offset Shift**:** Since the user is in a timezone ahead of UTC (e.g., IST +5:30), "March 4, 00:00:00" Local Time became "March 3, 18:30:00" UTC.
- ****Display Logic**:** The confirmation page (Wizard) received this UTC timestamp. When interpreting or displaying it without re-converting to the original local context (or if interpreted as "face value"), it resulted in the date being shifted back by one day.

3. Implementation Details

****File Modified**:** `frontend/src/components/dashboard/CalendarView.jsx`

****Changes**:**

- Replaced the standard `selectedDate.toISOString()` call with a ****Local ISO calculation****:
```javascript  
new Date(selectedDate.getTime() - (selectedDate.getTimezoneOffset() \* 60000)).toISOString().replace('Z', '')  
```
- ****Logic**:** This formula creates a timestamp where the UTC representation matches the original Local Time numbers (e.g., "2026-03-04T00:00:00"). Stripping the 'Z' ensures the backend and wizard treat this as a "floating time" or "face value" string, effectively locking the date to what the user saw and clicked.

4. Verification Steps

Scenario 1: Date Selection Accuracy

1. ****Action**:** Login and navigate to Calendar > Month View.
2. ****Action**:** Click on a specific date (e.g., ****March 4****).
3. ****Action**:** Proceed through the wizard to the "Ready to Schedule" page.
4. ****Expected Result**:** The confirmation page displays ****March 4****.
5. ****Observed Result**:** The date matches exactly. No -1 day shift occurs.

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5. Conclusion

The fix ensures that the date selected by the user is preserved exactly as is throughout the scheduling flow, regardless of timezone offsets.