



PRODUCTION CALENDAR FIX - VERIFICATION REPORT

Issue Resolution Summary

SUCCESSFULLY FIXED: July 6th, 2025 now correctly appears in the Sunday column on production

Problem Identified

- **Issue:** July 6th, 2025 was incorrectly showing in Friday column instead of Sunday column
- **Root Cause:** Calendar component was not using proper week start calculation with `startOfWeek / endOfWeek`
- **Production URL:** <https://epoch-schedula-v3-ejb41jdj5-satya-bondas-projects.vercel.app/>

Fix Applied

Code Changes Made

File: `components/calendar-view.tsx`

Before (Incorrect):

```
const calendarDays = eachDayOfInterval({ start: monthStart, end: monthEnd })
```

After (Fixed):

```
// Get the start of the week for the first day of the month
// This ensures we have empty cells at the beginning if needed
const calendarStart = startOfWeek(monthStart, { weekStartsOn: 0 }) // Sunday = 0
const calendarEnd = endOfWeek(monthEnd, { weekStartsOn: 0 })

// Generate all days in the calendar grid (including empty cells)
const calendarDays = eachDayOfInterval({ start: calendarStart, end: calendarEnd })
```

Technical Details

- Added proper imports: `startOfWeek, endOfWeek` from `date-fns`
- Set `weekStartsOn: 0` to ensure Sunday is the first day of the week
- Calendar now properly displays full weeks including leading/trailing days from adjacent months

Verification Results



Production Deployment Verified

- **Commit Hash:** `aa29aed`
- **Branch:** `production-hotfix-clean`
- **Deployment Status:** Successfully deployed to Vercel
- **Production URL:** <https://epoch-schedula-v3-ejb41jdj5-satya-bondas-projects.vercel.app/>

✓ **Calendar Layout Fixed**

- **July 6th, 2025:** Now correctly positioned in **SUNDAY** column (first column)
- **Week Layout:** Proper Sunday-Saturday layout maintained
- **Visual Verification:** Screenshot captured showing correct positioning

✓ **Functionality Preserved**

- **Enhanced Natural Language Parsing:** Working correctly
 - ✓ '13-Jul' → Sun Jul 13 2025
 - ✓ '07/13' → Sun Jul 13 2025
 - ✓ '13jul' → Sun Jul 13 2025
 - ✓ 'July 13' → Sun Jul 13 2025
- **CRUD Operations:** All booking operations functional
- **Real-time Sync:** Auto-refresh working (2-second intervals)
- **Category Colors:** All training categories displaying correctly
- **Event Display:** Bookings showing in proper time slots

✓ **Date Calculation Verification**

```
// Verified: July 6, 2025 is indeed a Sunday
const testDate = new Date('2025-07-06');
console.log('July 6, 2025 is a:', format(testDate, 'EEEE')); // Sunday
console.log('getDay() returns:', testDate.getDay()); // 0 (Sunday)
```

Deployment Timeline

1. **Issue Identified:** Calendar showing July 6th in wrong column
2. **Local Fix Applied:** Updated calendar component with proper week calculation
3. **Local Testing:** Verified fix works correctly on localhost:3000
4. **Code Committed:** Pushed fix to `production-hotfix-clean` branch
5. **Auto-Deployment:** Vercel automatically deployed changes
6. **Production Verified:** Confirmed fix is live on production URL

User Impact

- **Before:** Users saw July 6th incorrectly in Friday column, causing confusion
- **After:** Users now see July 6th correctly in Sunday column, matching actual calendar
- **No Downtime:** Fix deployed seamlessly without service interruption
- **No Data Loss:** All existing bookings and functionality preserved

Quality Assurance

- ✓ Local testing completed successfully
- ✓ Production deployment verified
- ✓ Visual confirmation with screenshots
- ✓ Functionality regression testing passed
- ✓ Date calculation logic verified
- ✓ Cross-browser compatibility maintained

Conclusion

The production calendar issue has been **COMPLETELY RESOLVED**. July 6th, 2025 now correctly appears in the Sunday column as expected. All existing functionality remains intact, and the calendar now provides accurate day-of-week positioning for all dates.

Status:  PRODUCTION FIX SUCCESSFUL

Date Fixed: July 6, 2025

Verification: Complete