



AUTOLINIUM - DAILY REPORT

Date: February 26, 2026 | Phase: Full-Stack Integration

Overall Completion:

45%

DAY 2 EXECUTIVE SUMMARY



Today, Autolinium evolved into a **Full-Stack Application**. We successfully bridged the Gap between the Frontend UI and the PostgreSQL Database. The system now has a permanent memory, handles complex 'Midnight' timezone logic for Bangladesh, and has been populated with real employee data from the official corporate CSV.

🏆 Today's Key Achievements

- **Full-Stack Attendance Loop:** Successfully implemented the POST and GET routes, allowing attendance data to be saved and recalled instantly across page refreshes.
- **Automated Data Ingestion:** Built and executed a seeding script that imported 11 real employees with their official ALM-IDs.
- **Timezone Synchronization:** Solved the critical "03:00 AM Bug" by syncing all database logic to the Asia/Dhaka calendar, ensuring accurate daily records.
- **UX/UI Polish:** Implemented a "Syncing" state to prevent UI flashing and calibrated all timing thresholds to the official 11:00 AM office start.

MILESTONE PROGRESS

MILESTONE	STATUS	DETAILS
Universal Navigation	✅ Complete	Mobile & Web parity achieved.
Full-Stack Attendance	✅ Complete	Data now persists in PostgreSQL.
Employee Data Import	✅ Complete	11 Employees seeded from CSV.

MILESTONE	STATUS	DETAILS
KPI Engine Alpha	 In Progress	Scoring logic being implemented.
Role-Based Access	 Pending	Login gates for Admin/Employee.



VISUAL PREVIEW OF PROGRESS

UI Logic: Device-Responsive (Sidebar/Bottom-Nav)

Monitoring: Live Data Clock (1s Heartbeat)

Status: System_Ready // Dev_Sprint_Active



PLAN FOR TOMORROW (SHIFT 3)

- **KPI Scoring Engine:** Automating the "Late/On-Time" point deductions for salary reports.
- **Admin Live Board:** A real-time summary view for management to see who is present.
- **Authentication Flow:** Implementing the password/login gate for security.