# Reporting.Work | Case Study

## Syncing Bullhorn Client & Contract Data with External Systems for Healthcare Staffing

### 🎯 Client Problem

A healthcare staffing firm used Bullhorn to manage placements, contracts, and client records — but needed to sync that data across multiple external systems, including:
- Credentialing platforms (e.g., Symplr, Intellicred)
- Scheduling tools for per-diem and shift assignments
- Compliance systems to meet healthcare regulations (e.g., JCAHO, HIPAA)

**Challenges they faced:**
- Contract data (rate agreements, shift rules, compliance clauses) were stored in Bullhorn but not accessible to the tools that needed it
- Manual re-entry into external platforms led to errors, delays, and duplicate work
- Time-to-placement slowed down due to missing or out-of-sync info

### 🛠️ Our Solution

We designed a secure, scalable integration pipeline that extracted contract + client records from Bullhorn and synced them automatically to the firm's key operational platforms.

**Key Components:**
- Bullhorn REST API to pull:
    - Client details (hospital name, address, contact)
    - Contract start/end dates, rates, compliance notes
    - Placement assignment and status updates
- ETL Layer (Node.js + MySQL):
    - Normalize contract structure
    - Parse conditional terms (e.g., "2:1 nurse-to-patient ratio", "Must have BLS & ACLS")
- Sync Layer (REST hooks + hourly cron jobs):
    - Bi-directional sync for critical updates (e.g., contract extension, facility blackout dates)
    - Logging + alerting for sync errors via Papertrail

### 📈 Results

- Boosted recruiter trust in platform data (fewer mismatches)
- Improved healthcare partner satisfaction by delivering compliant, ready-to-work staff faster

## 🧠 Why This Worked

- Designed for healthcare-specific logic, not generic CRM sync
- Leveraged existing Bullhorn data without overhauling their process
- Created a scalable framework that can be reused for other verticals


**Want a similar automation?**

👉 Book a free data audit here.