Master User Delete Restriction Implementation

Overview

Implemented restriction so that **only the master user (fray@cdmsuite.com)** can delete leads from the CRM system. This ensures data protection and accountability for lead management.

Changes Made

1. API Route Updates

`/app/api/crm/leads/[id]/route.ts`

- Updated DELETE endpoint to check if user email is exactly `fray@cdmsuite.com`
- Returns 403 error with clear message if non-master user attempts deletion
- Maintains audit logging for all deletions

`/app/api/crm/leads/bulk-delete/route.ts`

- Added master user check before processing bulk deletions
- Returns 403 error if non-master user attempts bulk delete
- Preserves existing cascade deletion logic for activities and sequences

2. UI Updates

`/app/dashboard/crm/page.tsx`

- **Individual Lead Delete Button**: Only shown when `session?.user?.email === 'fray@cdmsuite.com'`
- Located in lead detail dialog header
- Hidden for all other users including employees
- **Bulk Delete Button**: Only shown when `session?.user?.email === 'fray@cdmsuite.com'`
- Located in bulk actions toolbar
- Hidden when non-master users select leads

Security Features

Backend Protection

✅ API-level authentication check
✅ Session validation
✅ Email-specific permission check
✅ Clear error messages for unauthorized attempts
✅ Audit logging of all deletions

Frontend Protection

✅ Conditional rendering of delete buttons
✅ UI elements hidden for non-master users
✅ Consistent permission checks across all delete actions

User Experience

Master User (fray@cdmsuite.com)

- Full delete capabilities (individual and bulk)
- Delete button visible in lead detail dialog
- Bulk delete button appears when leads are selected
- Confirmation dialogs before deletion
- Success/error notifications

Other Employees

- All other CRM features fully accessible
- Can view, create, edit, and manage leads
- Can export leads
- Cannot delete leads (buttons hidden)
- No confusing error messages (UI prevents attempts)

Non-Employee Users

- Standard CRM access based on role
- No delete capabilities
- No delete UI elements shown

Testing

Verified Functionality

✅ TypeScript compilation successful
✅ Production build successful
✅ Dev server starts without errors
✅ Delete buttons only visible to fray@cdmsuite.com
✅ API endpoints reject non-master users
✅ Other CRM features unaffected

Implementation Date

October 28, 2025

Status

✅ **Production Ready** - All tests passing, fully functional

Note: If you need to grant delete access to additional users in the future, update the email check in both API routes and the UI component to include the new authorized emails.