Registration API Debug Logging - January 20, 2026

What Was Added

Comprehensive logging was added to `/src/app/api/auth/register/route.ts` at the following points:

1. Request Entry Point

- Request timestamp
- Request method and URL
- Raw request body (with password redacted)

2. Validation

- Before and after validation
- Validation errors if any

3. Database Operations

- Checking for existing user
- Creating user record
- Creating role-specific profile (FAMILY, OPERATOR, CAREGIVER, AFFILIATE, PROVIDER)
- Creating audit log

4. Transaction Flow

- Transaction start/commit
- Each step within the transaction

5. Error Handling

- Full error object with all properties
- Error name, code, message
- Prisma meta information
- Stack trace

Log Format

All logs use the prefix `[REGISTER API]` for easy filtering in Render logs.

Example log pattern:

```
============================================================
[REGISTER API] Request received at: 2026-01-20T12:00:00.000Z
[REGISTER API] Raw request body keys: ["email", "password", "firstName", ...]
[REGISTER API] Validation PASSED
[REGISTER API] Starting database transaction...
[REGISTER API] Creating user with data: {...}
[REGISTER API] User created successfully, id: cuid123...
[REGISTER API] Creating FAMILY profile...
[REGISTER API] Family profile created successfully
[REGISTER API] Transaction committed, user id: cuid123...
```

How to Use

1. **Trigger the error**: Try to register a new user at https://getcarelinkai.com/auth/register
2. **Check Render logs**: Go to Render dashboard → carelink-ai service → Logs
3. **Search for**: `[REGISTER API]` to find relevant logs
4. **Look for**: The last successful log before the error to identify the failure point

Possible Issues Identified

Based on code review, potential issues could be:

1. **Database Connection**: Prisma client connection issues
2. **Schema Mismatch**: Fields in code that don't exist in database (migration not applied)
3. **Validation Errors**: Input not matching schema requirements
4. **Transaction Timeout**: Long-running transaction timing out

Next Steps After Checking Logs

1. Identify the exact error from the logs
2. Fix the root cause
3. Remove excessive logging (keep essential logs)
4. Deploy and verify fix

Files Modified

- `/src/app/api/auth/register/route.ts` - Added comprehensive logging