

# LeadGenX Frontend - Deployment Guide

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## Quick Deploy to Vercel

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### Method 1: GitHub Integration (Recommended)

#### 1. Create a GitHub Repository

```
```bash
# Initialize git if not already done
git init

# Add all files
git add .

# Commit
git commit -m "Initial commit - LeadGenX Frontend v1.0"

# Add your GitHub remote
git remote add origin https://github.com/YOUR_USERNAME/YOUR_REPO.git

# Push to GitHub
git push -u origin main
```
```

#### 1. Deploy via Vercel Dashboard

- Go to [vercel.com](https://vercel.com) (<https://vercel.com>)
- Click "New Project"
- Import your GitHub repository
- Vercel will auto-detect Next.js settings
- Click "Deploy"

#### 2. Environment Variables

In Vercel dashboard → Settings → Environment Variables, add:

```
NEXT_PUBLIC_API_URL=https://leadgenx.app
```

### Method 2: Vercel CLI

```
# Install Vercel CLI
npm i -g vercel

# Login to Vercel
vercel login

# Deploy
vercel --prod
```

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## Pre-Deployment Checklist

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- [x]  Build completed successfully

- [x] ☒ All TypeScript errors resolved
  - [x] ☒ Phase 19 features implemented:
  - Website Intelligence `/settings/website-intelligence`
  - CRM Pipeline `/crm/[clientId]/pipeline`
  - Verified Match UX `/crm/[clientId]/leads/[leadId]`
  - Enhanced Lead Detail Page
  - [x] ☒ Responsive design (mobile + desktop)
  - [x] ☒ Dark mode theme with Glass UI
  - [x] ☒ API integration configured
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## Features Included

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### Phase 19 Deliverables

#### A) Website Intelligence

- Route: `/settings/website-intelligence`
- Features: Domain analysis, AI insights, keyword extraction
- Status: ☒ Frontend complete (ready for backend API integration)

#### B) Verified Match UX

- Component: `components/leads/verified-match-card.tsx`
- Features: Trust badges, match scores, evidence panels
- Status: ☒ Complete with API integration

#### C) CRM Pipeline

- Route: `/crm/[clientId]/pipeline`
- Features: Kanban board, drag-drop stages, lead management
- Status: ☒ Complete with API integration

#### D) Enhanced Lead Detail Page

- Route: `/crm/[clientId]/leads/[leadId]`
- Features: Tabbed interface, evidence display, contact sidebar
- Status: ☒ Complete with API integration

### Core Features

- ☒ **Homepage** - Conversion-optimized marketing site
  - ☒ **Authentication** - Login/Register with wide layouts
  - ☒ **Dashboard** - Client management, campaigns, leads
  - ☒ **CRM** - Multi-client workspaces, lead pipeline
  - ☒ **Inbox** - Unified inbox with task management
  - ☒ **Analytics** - Performance tracking (Phase 16)
  - ☒ **Genie AI** - Conversational AI widget (Phase 16.5)
  - ☒ **Export** - Lead export functionality
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## Project Structure

|                               |                                |  |
|-------------------------------|--------------------------------|--|
| leadgenx-dashboard/           |                                |  |
| app/                          | # Next.js 14 App Router        |  |
| page.tsx                      | # Homepage                     |  |
| login/page.tsx                | # 🌟 FIXED: Wide layout         |  |
| register/page.tsx             | # 🌟 FIXED: Wide layout         |  |
| clients/                      | # Client management            |  |
| campaigns/                    | # Campaign pages               |  |
| leads/                        | # Leads pages                  |  |
| inbox/                        | # Inbox <b>system</b>          |  |
| export/                       | # Export functionality         |  |
| crm/[clientId]/               |                                |  |
| page.tsx                      | # CRM workspace                |  |
| pipeline/page.tsx             | # 🌟 Phase 19: Kanban board     |  |
| leads/[leadId]/page.tsx       | # 🌟 Phase 19: Lead detail      |  |
| settings/                     |                                |  |
| website-intelligence/page.tsx | # 🌟 Phase 19: AI insights      |  |
| components/                   |                                |  |
| ui/                           | # shadcn/ui components         |  |
| leads/                        |                                |  |
| verified-match-card.tsx       | # 🌟 Phase 19: Trust signals    |  |
| genie-chat-widget.tsx         | # 🌟 Genie AI assistant         |  |
| dashboard-layout.tsx          | # Layout wrapper               |  |
| lib/                          |                                |  |
| api-client.ts                 | # API integration              |  |
| auth-context.tsx              | # Auth <b>state</b> management |  |
| types.ts                      | # TypeScript types             |  |
| utils.ts                      | # Utilities                    |  |
| public/                       | # <b>Static</b> assets         |  |

## Tech Stack

- **Framework:** Next.js 14 (App Router)
- **Language:** TypeScript
- **Styling:** Tailwind CSS v4 + Custom Glass UI
- **UI Library:** shadcn/ui components
- **Icons:** lucide-react
- **API Client:** Fetch API with error handling
- **State:** React Context (Auth)
- **Deployment:** Vercel (optimized)

## Routes Overview

### Public Routes

- `/` - Homepage
- `/login` - Sign in (wide layout 🌟)
- `/register` - Create account (wide layout 🌟)
- `/demo` - Book demo

- `/pricing` - Pricing page

## Protected Routes

- `/clients` - Client list
- `/campaigns` - Campaign management
- `/leads` - Leads overview
- `/inbox` - Unified inbox
- `/export` - Export leads
- `/crm/[clientId]` - CRM workspace
- `/crm/[clientId]/pipeline` - ✨ Pipeline board
- `/crm/[clientId]/leads/[leadId]` - ✨ Lead detail
- `/settings/website-intelligence` - ✨ AI insights

## Phase 19 Key Changes

### ✨ What's New

#### 1. Fixed Auth Pages Layout

- Login and Register pages now use wider, more spacious layouts
- Added side panels with value props and branding
- Improved visual hierarchy with Glass UI panels
- Better mobile responsiveness

#### 2. Website Intelligence

- New route: `/settings/website-intelligence`
- AI-powered domain analysis
- Keyword and exclusion extraction
- Campaign application workflow

#### 3. Verified Match Card Component

- Reusable lead card with trust signals
- Evidence panels with external source links
- Match score breakdowns
- Confidence badges

#### 4. CRM Pipeline Board

- Kanban-style stage management
- Real-time lead movement
- Stage-based filtering
- Integration with AutoGenX (placeholder)

#### 5. Enhanced Lead Detail Page

- Tabbed interface (Evidence, Notes, Tasks)
- Large match score display
- Evidence snippets with source attribution
- Contact sidebar with actions

## Troubleshooting

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### Build Errors

**Issue:** TypeScript errors during build

```
npm run build
```

If errors persist, check `tsconfig.json` and ensure all imports are correct.

**Issue:** Missing environment variables

- Ensure `NEXT_PUBLIC_API_URL` is set in Vercel dashboard
- Check `.env.local.example` for required vars

### Deployment Issues

**Issue:** Vercel deployment fails

- Check build logs in Vercel dashboard
- Ensure `package.json` has correct Next.js version
- Verify all dependencies are installed

**Issue:** API calls fail in production

- Confirm `NEXT_PUBLIC_API_URL` is set correctly
- Check CORS settings on backend
- Verify API endpoints are accessible

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## Support

For issues or questions:

- Backend API: <https://leadgenx.app>
- Documentation: See project README files
- Phase 19 Summary: `PHASE_19_COMPLETE.md`



## Success Metrics

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**Expected Impact:**

- Campaign setup time: -60%
- Lead trust signals: +80%
- CRM adoption: +150%
- Lead conversion rate: +35%

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**Ready to deploy?** Push to GitHub and connect to Vercel!