

3D Outfit Builder - Deployment Guide

Prerequisites

Before deploying, ensure you have:

❑ 680 Complete Deployment Guide - Cosmic Outfits 3D Builder

NOTE: Documentation has been consolidated into [README.md](#). See the main README for the canonical guide. Original content preserved below.

1. **Clone the repository** `bash git clone cd 3d-outfit-builder`
2. **Install dependencies** `bash npm install`
3. **Set up environment variables** Create a `.env.local` file in the root directory: `env`
NEXT_PUBLIC_SUPABASE_URL=your_supabase_project_url
NEXT_PUBLIC_SUPABASE_ANON_KEY=your_supabase_anon_key
SUPABASE_SERVICE_ROLE_KEY=your_supabase_service_role_key

Supabase Configuration

1. **Create a new Supabase project** at <https://supabase.com>
2. **Run the database setup scripts** in the Supabase SQL editor:
 - Execute `scripts/00-complete-database-setup.sql`
 - Execute `scripts/01-create-tables.sql`
 - Execute `scripts/02-create-rls-policies.sql`
 - Execute `scripts/03-seed-sample-data.sql`
 - Execute `scripts/04-create-functions.sql`
3. **Configure Authentication**
 - Go to Authentication > Settings
 - Add your domain to "Site URL"
 - Configure email templates if needed
4. **Set up Storage**
 - Go to Storage and create a bucket named "avatars"
 - Set appropriate policies for public access

Local Development

1. **Start the development server** `bash npm run dev`

2. **Open your browser** and navigate to <http://localhost:3000>
3. **Test the application**
 - Register a new account
 - Complete the onboarding flow
 - Test the dashboard features

Production Deployment

Option 1: Vercel (Recommended)

1. **Connect your repository** to Vercel
2. **Add environment variables** in the Vercel dashboard
3. **Deploy** - Vercel will automatically build and deploy your app

Option 2: Manual Deployment

1. **Build the application** `bash npm run build`
2. **Start the production server** `bash npm start`

Post-Deployment Checklist

- ☐ Test user registration and login
- ☐ Verify email confirmation flow
- ☐ Test profile updates and image uploads
- ☐ Check dashboard analytics and charts
- ☐ Verify 3D playground functionality
- ☐ Test real-time updates
- ☐ Confirm mobile responsiveness

Monitoring and Maintenance

1. **Set up error tracking** (e.g., Sentry)
2. **Monitor performance** with Vercel Analytics
3. **Set up database backups** in Supabase
4. **Configure alerts** for critical issues

Troubleshooting

Common Issues

1. **Supabase connection errors**
 - Verify environment variables
 - Check RLS policies
 - Ensure service role key has proper permissions
2. **Image upload issues**

- Verify storage bucket exists
- Check storage policies
- Ensure proper CORS configuration

3. Real-time updates not working

- Check WebSocket connections
- Verify subscription setup
- Test with browser developer tools

Support

For additional support:

- Check the Supabase documentation
- Review Next.js deployment guides
- Contact the development team

Performance Optimization

1. **Enable caching** for static assets
2. **Optimize images** with Next.js Image component
3. **Use CDN** for better global performance
4. **Monitor bundle size** and optimize imports
5. **Implement lazy loading** for heavy components

Security Considerations

1. **Review RLS policies** regularly
2. **Keep dependencies updated**
3. **Use HTTPS** in production
4. **Implement rate limiting** if needed
5. **Regular security audits**

Your 3D Outfit Builder is now ready for production! 🚀