

# Email System - Quick Start Summary

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## ✓ Deployment Complete!

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**Date:** December 8, 2025

**Status:** Fully Operational

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## 🎯 What Was Done

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### 1. API Configuration ✓

- Updated Resend API key to: `re_MF3dtRpT_ENzbTRqTxGSruvwBPzwzp4Qs`
- Configured in `.env` file
- Verified API key is working

### 2. Build & Deploy ✓

- Successfully built application with `npm run build`
- No errors or warnings
- All pages compiled correctly

### 3. Testing ✓

- ✓ Sent test email to **deansnow59@gmail.com**
- ✓ Email delivered successfully (ID: `1da7a060-9146-4dab-9c3c-057088a8fc59` )
- ✓ Email logging to database working
- ✓ Admin panel functional

### 4. Database Verification ✓

- 3 email records in database
- All metadata captured correctly
- Status tracking operational

### 5. Admin Panel ✓

- Email management at `/admin/emails`
- Email history with pagination
- Statistics dashboard
- Filter and search functionality

### 6. Documentation ✓

- Created comprehensive `DEPLOYMENT_EMAIL_SYSTEM.md`
- Included troubleshooting guide
- API endpoint documentation
- Next steps outlined

### 7. Git Commit ✓

- Committed all changes

- Detailed commit message
- Test scripts included

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## Quick Access

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### Test Email System

```
cd /home/ubuntu/mindful_champion/nextjs_space  
npx tsx scripts/test-email-with-sandbox.ts
```

### Check Email Logs

```
npx tsx scripts/check-email-logs.ts
```

### Test Email Logging

```
npx tsx scripts/test-email-logging.ts
```

### Build Application

```
npm run build
```

### Start Development Server

```
npm run dev
```

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## Current Status

Component	Status	Notes
Resend API Key	✓ Active	New “sponsors” key configured
Email Sending	✓ Working	Via sandbox domain
Email Logging	✓ Working	All emails logged to database
Admin Panel	✓ Working	Accessible at <code>/admin/emails</code>
Database	✓ Connected	3 email records
Build	✓ Success	No errors
Test Email	✓ Sent	Delivered to deans-now59@gmail.com



## Important: Domain Verification

### Action Required:

The custom domain `updates.reai.io` needs to be verified in Resend to send production emails.

### Steps:

1. Go to [resend.com/domains](https://resend.com/domains) (<https://resend.com/domains>)
2. Add domain: `updates.reai.io`
3. Configure DNS records
4. Wait for verification (24-48 hours)

### Current Workaround:

- Using Resend sandbox domain: `onboarding@resend.dev`
- Works for testing purposes
- Switch to custom domain after verification



## Email Types Available

1. **Sponsor Approval** - Sent when sponsor application is approved
2. **Sponsor Application** - Confirmation email for new applications
3. **Admin Notifications** - Alerts for admins about new applications
4. **Welcome Emails** - Sent to new users
5. **Custom Emails** - Flexible system for any email type



## Success Metrics

- **API Integration:** 100% functional
- **Email Delivery:** Test email successfully sent
- **Database Logging:** All emails tracked
- **Admin Panel:** Fully operational
- **Build Status:** No errors
- **Documentation:** Comprehensive guide created



## Admin Panel Features

Access at: `/admin/emails`

**Features:**

- Email statistics dashboard
- Email history with filters
- Search by recipient or subject
- Date range filtering
- Email content preview
- Resend failed emails
- Type distribution charts
- Send test emails



## Documentation

Document	Purpose	Location
Full Documentation	Comprehensive guide	<code>DEPLOYMENT_EMAIL_SYSTEM.md</code>
Quick Summary	This document	<code>EMAIL_SYSTEM_SUMMARY.md</code>
Test Scripts	Testing utilities	<code>scripts/</code> directory



## Useful Links

- **Resend Dashboard:** [resend.com/dashboard](https://resend.com/dashboard) (`https://resend.com/dashboard`)
- **Resend Domains:** [resend.com/domains](https://resend.com/domains) (`https://resend.com/domains`)
- **Resend Docs:** [resend.com/docs](https://resend.com/docs) (`https://resend.com/docs`)
- **Admin Email Panel:** `/admin/emails`
- **Admin Dashboard:** `/admin`

## 🌟 What's Working

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- ✓ Email sending via Resend API
  - ✓ Automatic email logging to database
  - ✓ Admin panel for email management
  - ✓ Email statistics and analytics
  - ✓ Email history with search and filters
  - ✓ Status tracking (sent, failed, delivered, opened)
  - ✓ Error handling and retry mechanism
  - ✓ Test email successfully delivered
  - ✓ Build process successful
  - ✓ All API endpoints functional
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## 📝 Next Steps (Optional)

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1. **Verify Domain** - Enable custom domain emails
  2. **Set Up Webhooks** - For real-time delivery tracking
  3. **Email Templates** - Design branded HTML templates
  4. **Analytics Dashboard** - Detailed email performance metrics
  5. **Scheduled Emails** - Campaign scheduling system
  6. **Email Preferences** - User preference center
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## 🎉 Ready to Use!

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The email system is **fully deployed and operational**. You can:

1. ✓ Send emails programmatically
2. ✓ View email history in admin panel
3. ✓ Track email delivery status
4. ✓ Resend failed emails
5. ✓ Monitor email analytics
6. ✓ Test email functionality

**Test email successfully sent to:** deansnow59@gmail.com 

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For detailed information, see [DEPLOYMENT\\_EMAIL\\_SYSTEM.md](#) (./DEPLOYMENT\_EMAIL\_SYSTEM.md)

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**Last Updated:** December 8, 2025