

# Railway Deployment Script Guide

This guide explains how to use the automated deployment scripts to push your code to GitHub and deploy to Railway.

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## Prerequisites

Before running the deployment script, ensure you have:

### 1. Git installed

- Download from: <https://git-scm.com/download>
- Verify: `git --version`

### 2. GitHub account

- Create at: <https://github.com>
- Create a new repository for `solar-lead-ai`

### 3. Railway account

- Sign up at: <https://railway.app>
- Create a new project

### 4. Railway CLI (optional but recommended)

- Install: `npm install -g @railway/cli`
- Verify: `railway --version`

### 5. Node.js and pnpm

- Already included in the project

## Quick Start

### For Linux/Mac Users:

Bash

```
# Navigate to project directory
cd solar-lead-ai

# Make script executable
chmod +x deploy-to-railway.sh
```

```
# Run the deployment script  
bash deploy-to-railway.sh
```

## For Windows Users:

Bash

```
# Navigate to project directory  
cd solar-lead-ai  
  
# Run the deployment script  
deploy-to-railway.bat
```

## What the Script Does

### Step 1: Check Prerequisites

- Verifies Git is installed
- Checks if you're in a Git repository
- Checks if Railway CLI is available

### Step 2: Configure GitHub

- Prompts for GitHub repository URL
- Adds remote if it doesn't exist
- Allows you to use existing remote

### Step 3: Prepare for Deployment

- Detects uncommitted changes
- Stages all changes
- Creates a commit with your message

### Step 4: Push to GitHub

- Pushes code to your GitHub repository
- Sets up tracking branch

### Step 5: Deploy to Railway

- Logs into Railway (if CLI installed)
- Links to your Railway project
- Triggers deployment

## Step 6: Verify Deployment

- Shows Railway logs
- Confirms successful deployment

## Manual Steps (If Script Fails)

If the script encounters issues, you can run these commands manually:

### 1. Initialize Git (if needed)

Bash

```
cd solar-lead-ai
git init
git branch -M main
```

### 2. Add GitHub Remote

Bash

```
git remote add origin https://github.com/YOUR_USERNAME/solar-lead-ai.git
```

### 3. Stage and Commit Changes

Bash

```
git add .
git commit -m "Fix Railway deployment errors"
```

### 4. Push to GitHub

Bash

```
git push -u origin main
```

## 5. Deploy to Railway

Bash

```
# Install Railway CLI (if not already installed )
npm install -g @railway/cli

# Login and deploy
railway login
railway link
railway up
```

## Script Output Example

Plain Text

```
=====
SolarlyAU Railway Deployment Script
=====

Version 1.0.0

=====
Checking Prerequisites
=====

✓ Git is installed
✓ Git repository found

=====
GitHub Repository Configuration
=====

Enter your GitHub repository URL: https://github.com/username/solar-lead-ai.git
✓ Remote added: https://github.com/username/solar-lead-ai.git

=====
Preparing for Deployment
=====

⚠ Uncommitted changes detected
✓ All changes staged
Enter commit message: Fix Railway deployment errors
✓ Changes committed: Fix Railway deployment errors

=====
Pushing to GitHub
=====
```

```
Current branch: main
Pushing to origin/main...
✓ Successfully pushed to GitHub

=====
Deploying to Railway
=====
Do you want to deploy to Railway now? (y/n ) y
Logging into Railway...
[Opens browser for authentication]
Linking to Railway project...
[Select your project]
Deploying to Railway...
✓ Deployment initiated
```

## ⚠ Troubleshooting

### "Git is not installed"

**Solution:** Download and install Git from <https://git-scm.com/download>

### "GitHub URL is required"

**Solution:** Provide your GitHub repository URL when prompted

- Format: `https://github.com/USERNAME/solar-lead-ai.git`

### "Failed to push to GitHub"

**Possible causes:**

- GitHub credentials not configured
- Repository doesn't exist
- No write permissions

**Solutions:**

Bash

```
# Configure Git credentials
git config --global user.name "Your Name"
git config --global user.email "your.email@example.com"
```

```
# Or use GitHub CLI for authentication  
gh auth login
```

## "Railway CLI not found"

**Solution:** Install Railway CLI

Bash

```
npm install -g @railway/cli
```

## "Permission denied" (on Linux/Mac )

**Solution:** Make script executable

Bash

```
chmod +x deploy-to-railway.sh
```

## "Deployment failed on Railway"

**Solutions:**

1. Check Railway logs: `railway logs`
2. Verify environment variables are set
3. Check build command in `railway.json`
4. Review `DEPLOYMENT_ERROR_FIXES.md` for common issues

## Security Notes

### 1. Never commit secrets

- `.env` files are ignored by `.gitignore`
- API keys should be set in Railway dashboard

### 2. GitHub credentials

- Use personal access tokens for better security
- Generate at: <https://github.com/settings/tokens>

### 3. Railway secrets

- Set all sensitive variables in Railway dashboard

- Never hardcode API keys in code
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## Additional Resources

- **Railway Documentation:** <https://docs.railway.app>
  - **Git Documentation:** <https://git-scm.com/doc>
  - **GitHub Documentation:** <https://docs.github.com>
  - **Deployment Guide:** RAILWAY\_DEPLOYMENT\_QUICK\_START.md
  - **Error Fixes:** DEPLOYMENT\_ERROR\_FIXES.md
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## Verification Checklist

After running the script, verify:

- Code pushed to GitHub successfully
  - Railway deployment initiated
  - Railway logs show no errors
  - Application loads at Railway URL
  - Database connection works
  - OAuth initializes correctly
  - Stripe webhook is configured
- 

## Next Steps

### 1. Verify Application

- Visit your Railway URL
- Check homepage loads

### 2. Run Database Migrations (if needed)

Bash

```
railway run pnpm db:push
```

### 3. Configure Stripe Webhook

- Endpoint: <https://your-app.up.railway.app/api/stripe/webhook>

- Webhook secret: whsec\_xZVe6JYt7kIgdLQtWeIFF7u5mc3Wh4XP

#### 4. Test Application

- User registration
- Lead browsing
- Stripe checkout (test card: 4242 4242 4242 4242 )

#### 5. Post-Launch Tasks

- Seed marketplace data
- Launch installer recruitment
- Monitor metrics

## Support

If you encounter issues:

1. Check the troubleshooting section above
2. Review DEPLOYMENT\_ERROR\_FIXES.md
3. Check Railway logs: [railway logs](#)
4. Review Railway documentation: <https://docs.railway.app>

**Status:**  Ready to deploy

**Last Updated:** 2026-01-01 **Version:** 1.0.0