

Railway Deployment Script Guide

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

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
-

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
-

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 npm db:push
```

3. Configure Stripe Webhook

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

- Webhook secret: `whsec_xZVe6JYt7klgdLQtWelFF7u5mc3Wh4XP`

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