

HACKATHON DAY 7: LIVE DEPLOYMENT & POST-LAUNCH PRACTICES

Securely Configuring Environment Variables

Environment variables should never be hardcoded into the codebase. Instead, add them securely in Vercel Settings:

Steps to Add Environment Variables in Vercel:

- 1 Navigate to Project > Settings > Environment Variables
- 2 Click 'Add Variable' and enter the required values.

Example:

NEXT_PUBLIC_API_KEY=your_api_key_here

DATABASE_URL=your_database_url_here

SSL & HTTPS Configuration

Vercel automatically secures your website with SSL/TLS, ensuring your URL starts with https://—no additional setup required! 

Codebase Security & Repository Management

- ✓ Keep your GitHub/Bitbucket repository private to prevent unauthorized access.
- ✓ Use separate branches for staging and production to maintain stability:
 - main branch: For production deployment.
 - dev branch: For testing and new features.

Performance Optimization

Optimize images and other assets for better performance. Use Next.js Image component instead of regular img tags.

Monitoring & Analytics Tools

Vercel Analytics: Track website performance and user interactions.

Error Tracking with Sentry: Monitor bugs and crashes efficiently.

Installation: `npm install @sentry/nextjs`

Configuration (`sentry.config.js`): Silent mode enabled to suppress all logs.

Now your e-commerce platform is ready for a smooth, secure, and high-performance launch!