

Lovable + n8n: a web form with an AI backend, step by step

Lovable builds the form, n8n does the thinking and the actions. The only link between them is one webhook URL, kept in a Lovable secret.

The form in Lovable

- **Start with a prompt**, paste the form prompt, click **Build**.
- Fields Name, Email, Question and Feedback, sent as JSON with the keys name, email, question and feedback.
- The prompt says: don't hard-code any webhook URL. Use the `N8N_WEBHOOK_URL` secret.

The backend in n8n

1. **Add first step..., On webhook call**. Set **Respond to Using 'Respond to Webhook' Node**.
2. Add **AI Agent**. Set **Source** to **Define below** and paste a prompt template that reads the body, like `{{ $json.body.name }}`.
3. + **Add Option, System Message**, paste the message below.
4. **Chat Model: OpenAI Chat Model**, model **gpt-5-mini**.
5. **Tool: Google Sheets Tool** on a **Leads** sheet with the same four columns, each set with **✦**. Then add **Gmail Tool**.
6. After the AI Agent, add **Respond to Webhook**. Nothing to configure.

The system message

You are a helpful assistant.

Use the google sheets tool to add the lead to the google sheet.

Use the gmail tool to reply to the form submitter.

The lesson's whole system message. Add your services and hours so replies sound like you.

Go live: test URL vs production URL

Publish first

Click **Publish**. The production URL only works once the workflow is published.

Copy the right URL

Open **Webhook**, click the **Production URL** tab, click the URL to copy. The test URL only works during testing.

Store it

In Lovable, click **More**, add the secret `N8N_WEBHOOK_URL`, paste, **Save**.

Test it

Preview, Fill with test data, Send Message, then check the Leads sheet.

Remember: Publish first, copy the Production URL second, and keep it in a Lovable secret, never in the page.

Practice it free: Lovable + n8n: Build a Web App with an AI Backend at learn.ynteractive.com/modules/lovable-n8n. This sheet: learn.ynteractive.com/content/cheat-sheets/lovable-n8n-form-flow. Businesses in the lesson examples are made up. By Robert Breen, October 1, 2026.