

# **Building and Shipping AI Products**

How to build and ship ‘em fast and for real...

# **BUILD FAST**

**with AI**

cebby

May 2025

May 2025

Thu Fri Sat Sun Mon Tue Wed Thu

1 2 3 4 5 6 7 8

May 3, Sat

"From Lab to Launch": Cebu's AI Seminar for Builders

Ready to see how your ideas become a reality in Cebu? "From Lab to Launch" is your gateway to...

2:00 PM

Portfolio Reviews Part 2

Portfolio Reviews Part 2 Now featuring Ria Millicent Cordero! Whether you're polishing your...

Explore

Calendar

Saved

12 in 12

WIP: 0 new projects May 🎉

# Build Products in 12 Months

Join a community of builders shipping real products every month. Turn your ideas into reality, learn by doing, and build your portfolio.

[View Projects](#) [Join & Build Today](#)

12 Projects 365 Days ∞ Possibilities 1 Community

https://www.edenoakswoodware.com/finishes-stains

Connected to StackShift

Name: 2rs22tyd  
ID: 2rs22tyd  
Dataset: production

General Settings

Set the document type to create

page

Component Suggestions

Select from these recommended components based on your site structure. To SKIP a component, uncheck the box next to it.

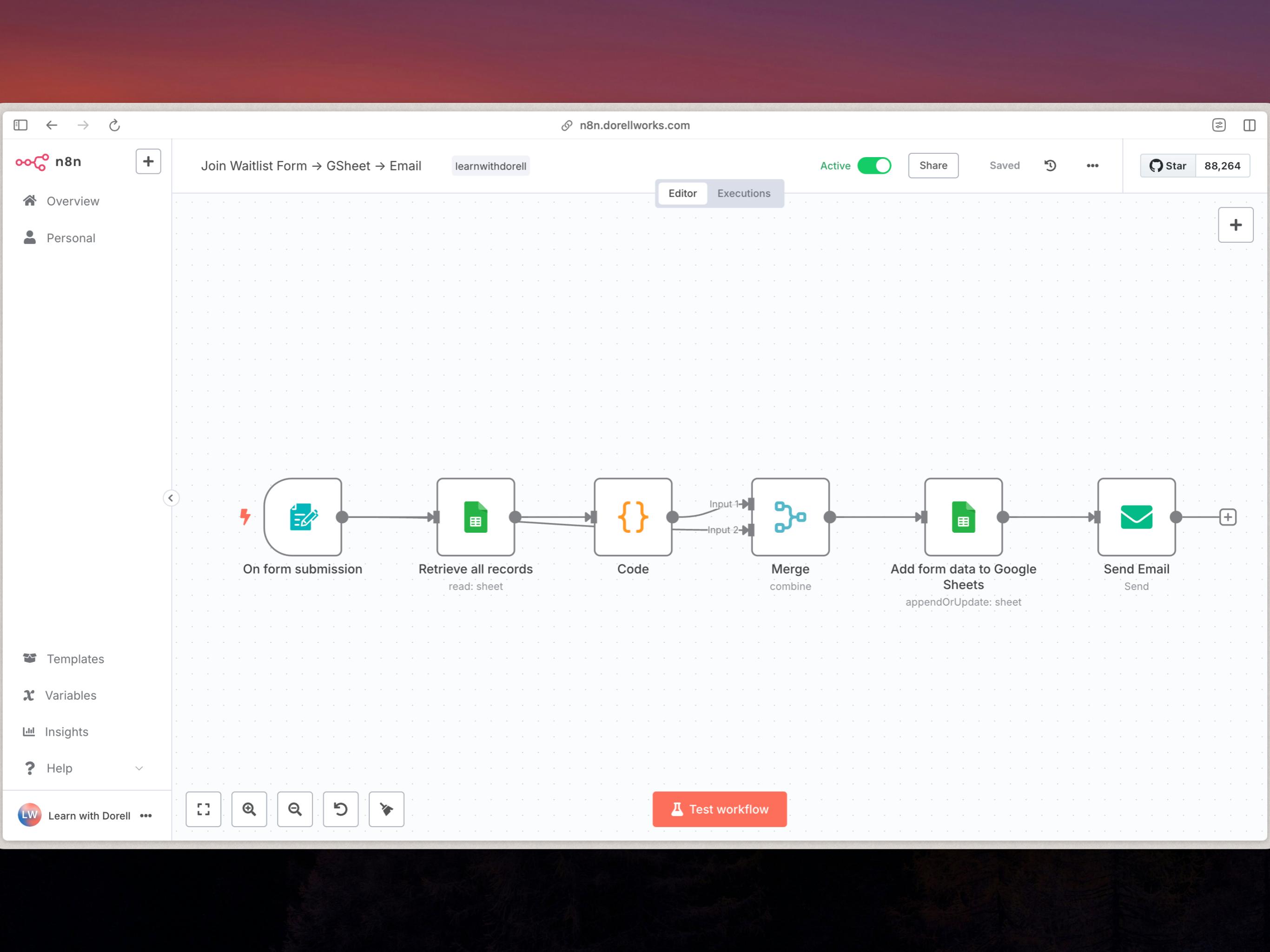
Analyzing...

Page Header

Hero Section

Main Content

AI Suggested: - variant\_a 85% match



# Dorell James

Solopreneur, Educator  
and Community Builder

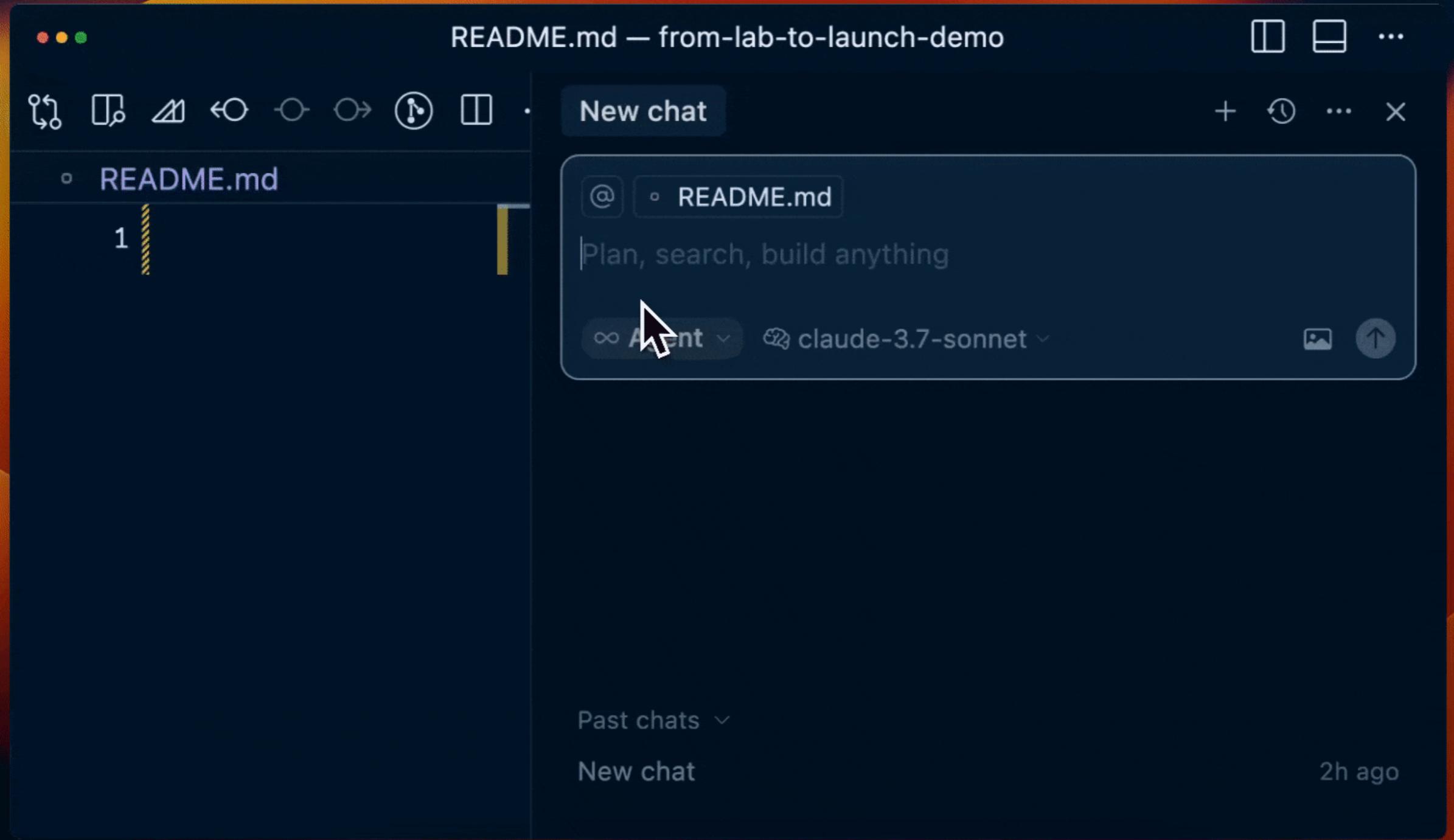


# HOW?

with AI

**Step 1.**

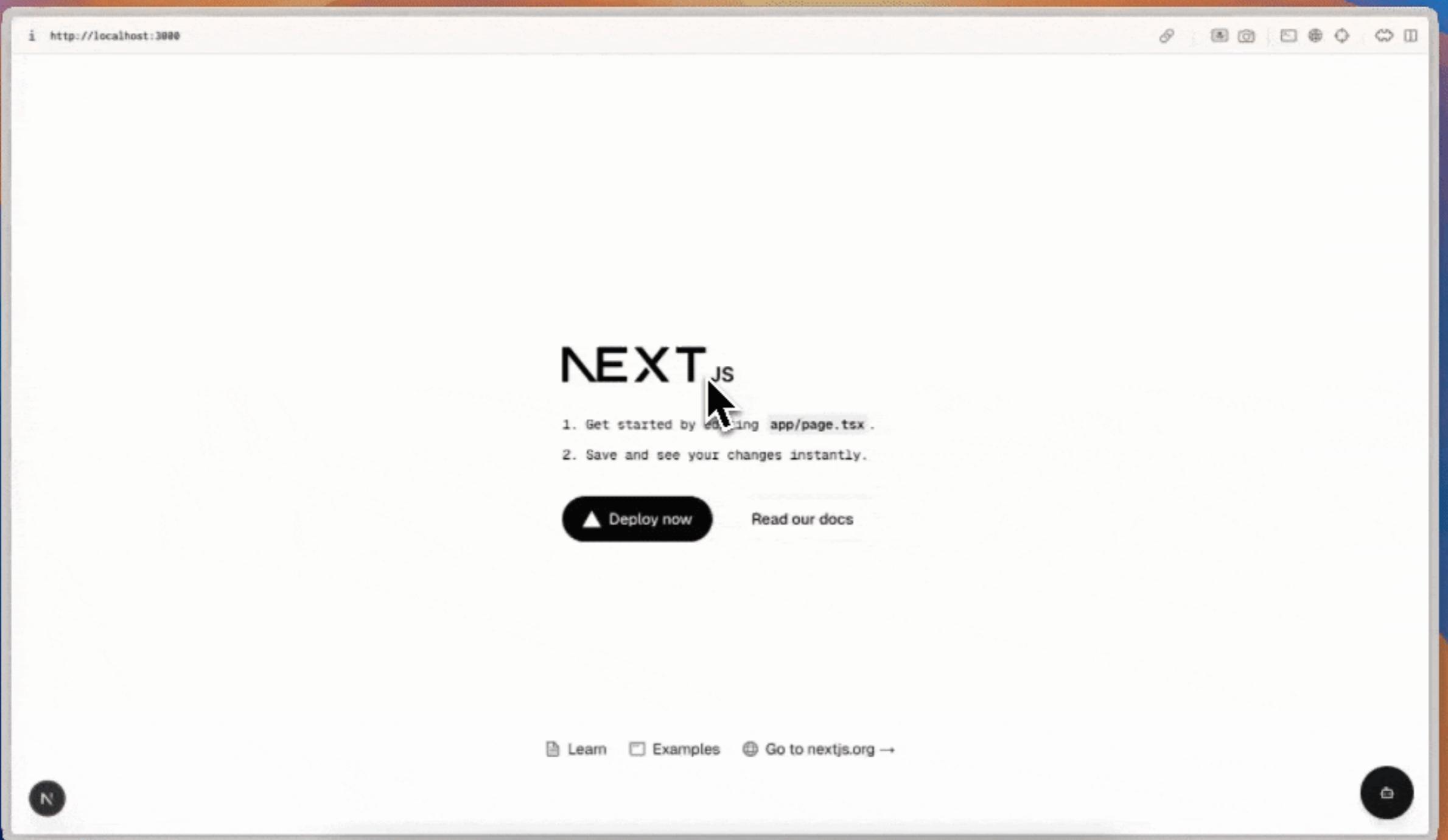
**From Idea to  
Spec**



**Step 2.**

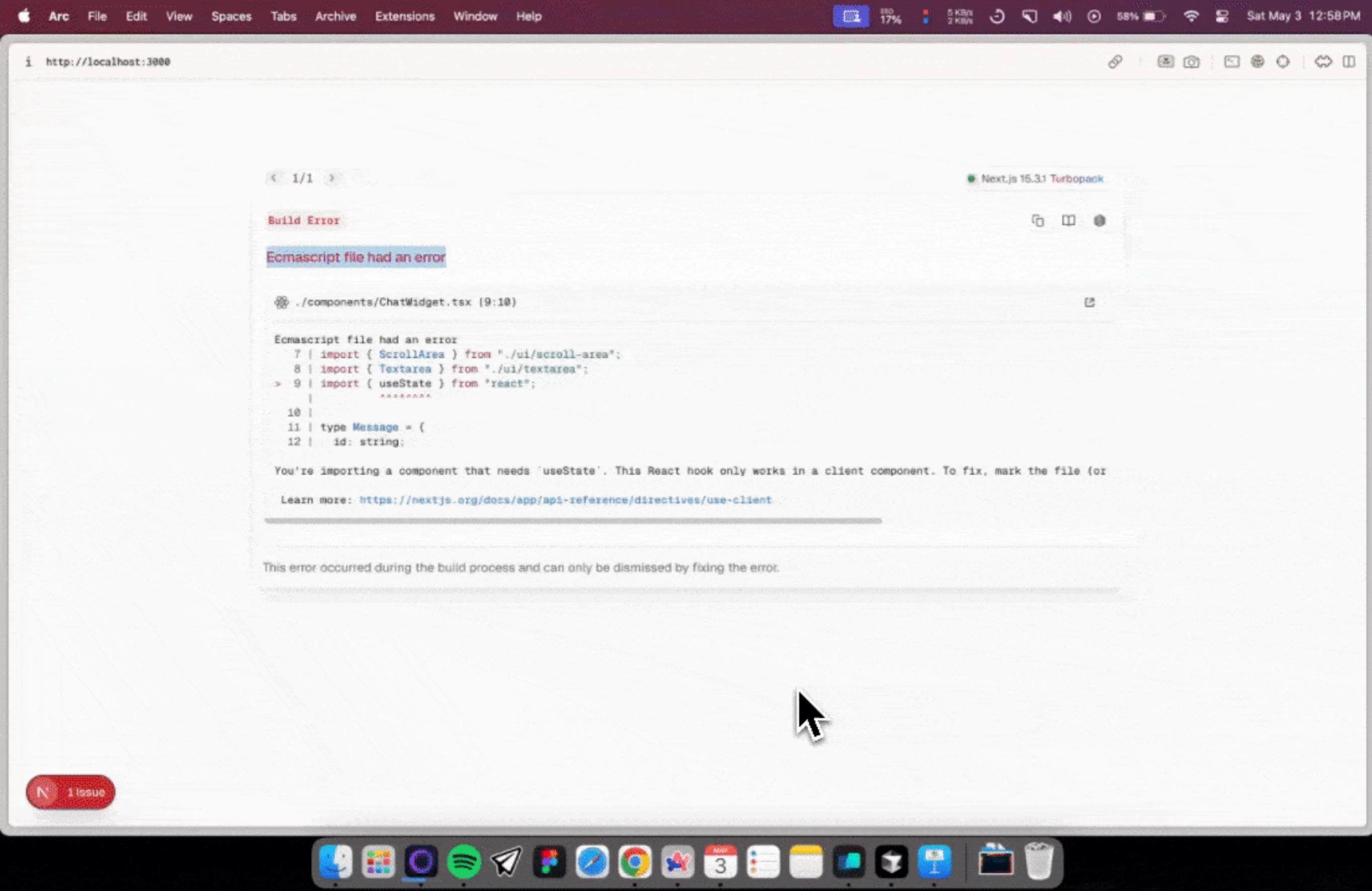
**Prototyping**





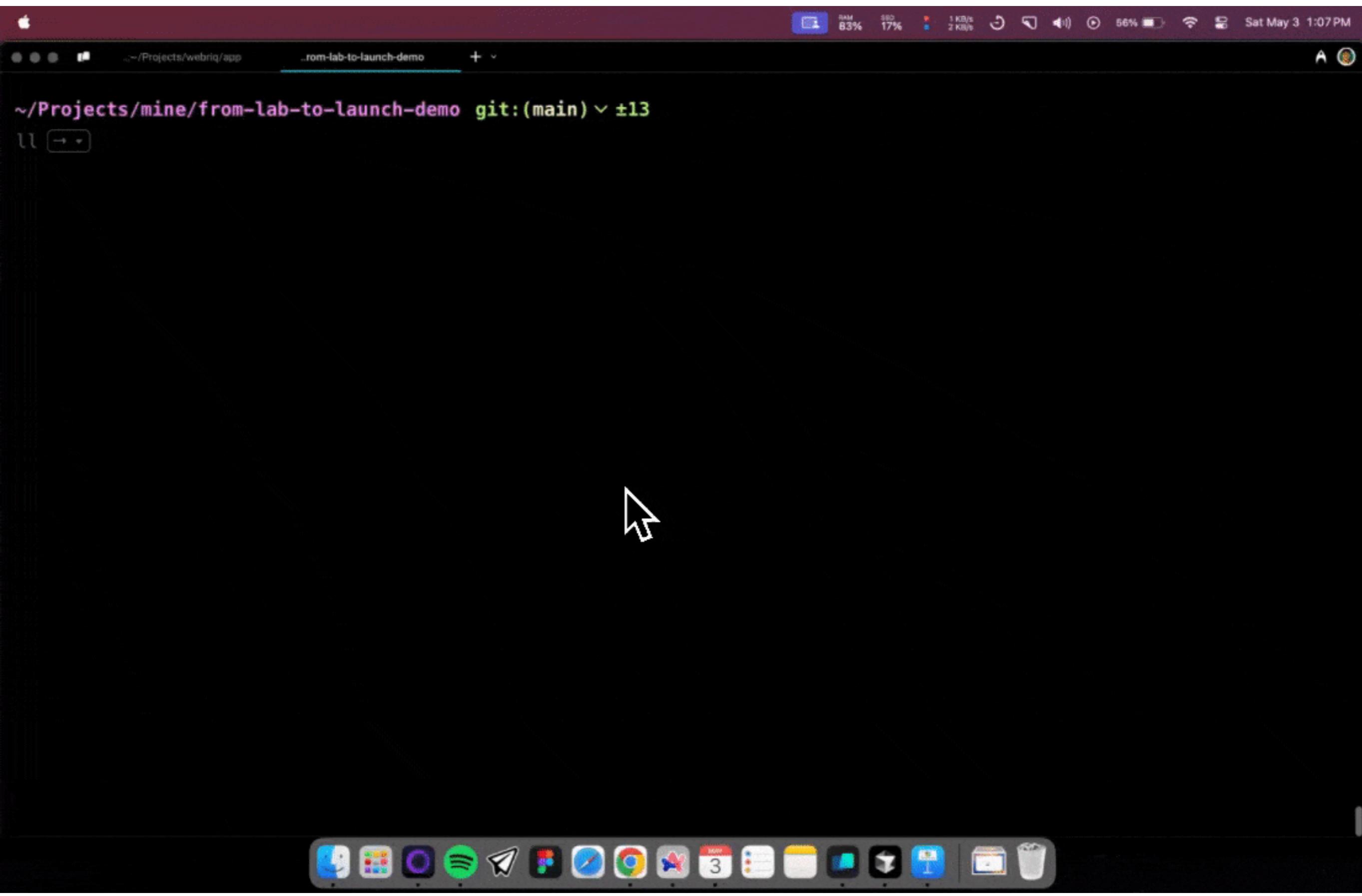


# Errors



# **Step 3.**

# **Integration**



**Step 4.**

**Deploy**

Cursor File Edit Selection View Go Run Terminal Window Help

84% 17% 4 KB/s 17 KB/s Sat May 3 1:09PM

from-lab-to-launch-demo

SOURCE CONTROL

Message (⌘C to commit or ⌘S to save)

✓ Commit

Changes (73)

- components.json U
- middleware.ts U
- package-lock.json D
- package.json M
- pnpm-lock.yaml U
- README.md M
- globals.css app M
- page.tsx app M
- route.ts app/auth/confirm U
- page.tsx app/auth/error U
- page.tsx app/auth/forgot-pass... U
- page.tsx app/auth/login U
- page.tsx app/auth/sign-up U
- page.tsx app/auth/sign-up-suc... U
- page.tsx app/auth/update-pass... U
- page.tsx app/protected U
- ChatWidget.tsx components U
- forgot-password-form.tsx components U

SOURCE CONTROL GRAPH

GITLENS

Chat Widget Prototype with Shadcn

I'll fix this error by marking the ChatWidget component as a client component. In Next.js with the App Router, components are server components by default, but React hooks like useState can only be used in client components.

ChatWidget.tsx +2 ✓

```
"use client";  
  
import { Bot, Send, X } from "lucide-react";  
import { Popover, PopoverContent, PopoverTrigger } from "./ui/popover";
```

Now the error should be resolved. The "use client" directive tells Next.js that this component needs to be rendered on the client side, allowing it to use React hooks like useState. Try running the app again and the chat widget should work correctly.

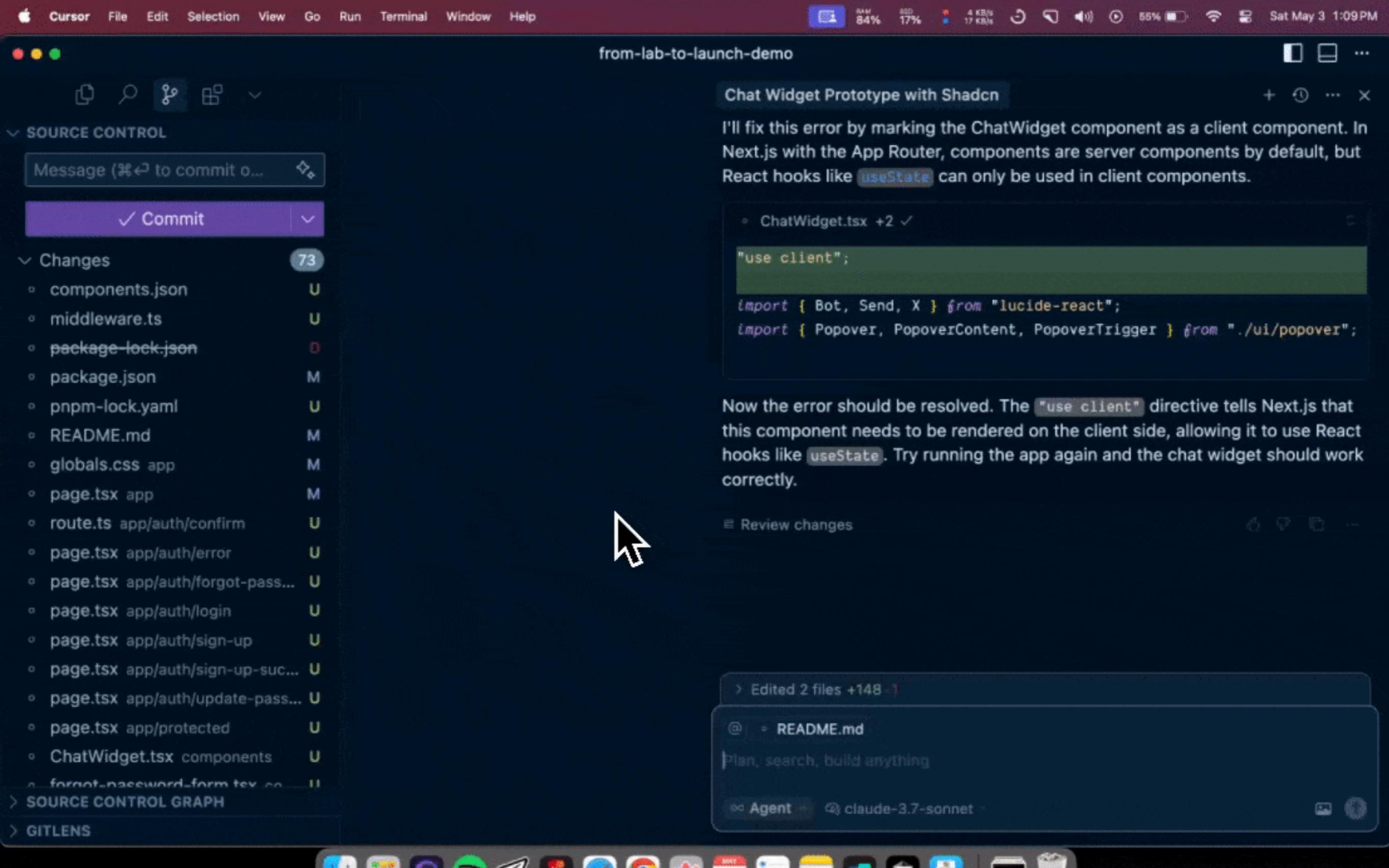
Review changes

Edited 2 files +148 -1

README.md

Plan, search, build anything

Agent claude-3.7-sonnet



Chrome File Edit View History Bookmarks Profiles Tab Window Help

RAM 81% 860 17% 1 KB/s 1 KB/s 54% Sat May 3 1:11 PM

New Project - Vercel vercel.com/new/dorellworks/success?developer-id=&external-id=&redirect-url=&branch=main&deploymentUrl=from-lab-to-launch-de...

Congratulations!

You just deployed a new project to DorellJames.

Login

Copy your email/Token to login to your account

Email: info@example.com

Password: [Forgot your password?](#)

[Login](#)

Don't have an account? [Sign up](#)

Next Steps

-  Instant Previews  
Push a new branch to preview changes instantly
-  Add Domain  
Add a custom domain to your project →
-  Enable Speed Insights  
Track how users experience your site over time →



**BUILDING !==  
SHIPPING**

**Step 5.**

# **Post-launch feedback systems**

The screenshot shows the PostHog website homepage with a dark background featuring a sunset or sunrise over a forest silhouette. At the top, the URL "posthog.com" is in the address bar, and the PostHog logo is on the left. A navigation bar includes links for "Why PostHog?", "Products", "Pricing", "Docs", "Community", and "Company", along with "Get started" and user icons.

# How developers build successful products

The single platform to analyze, test, observe, and deploy new features

[Get started - free](#) [Talk to a human](#)

All products Production WIP • Roadmap •

**Product**

- [Product analytics](#)
- [Session replay](#)
- [Experiments](#)
- [Surveys](#)
- [Product tours](#) •
- [Product roadmaps](#) •

**Marketing**

- [Web analytics](#)
- [Messaging](#) •
- [Heatmaps](#)
- [No-code A/B testing](#) •

## Product analytics

Understand user behavior with event-based analytics, cohorts, and conversion funnels. Includes auto capture & SQL access.

Last 30 days Top to bottom

Computed 4 minutes ago • Refresh Total conversion rate: 12.25% | Average time to convert 1d 17h

Star us on GitHub Star 26,173

44,260 persons (100.00%) completed step 100.0%

**Step 6.**

# **Error monitoring with Sentry**

**Want to connect with the folks building Sentry? Join us on Discord. →**

# Code breaks, fix it faster

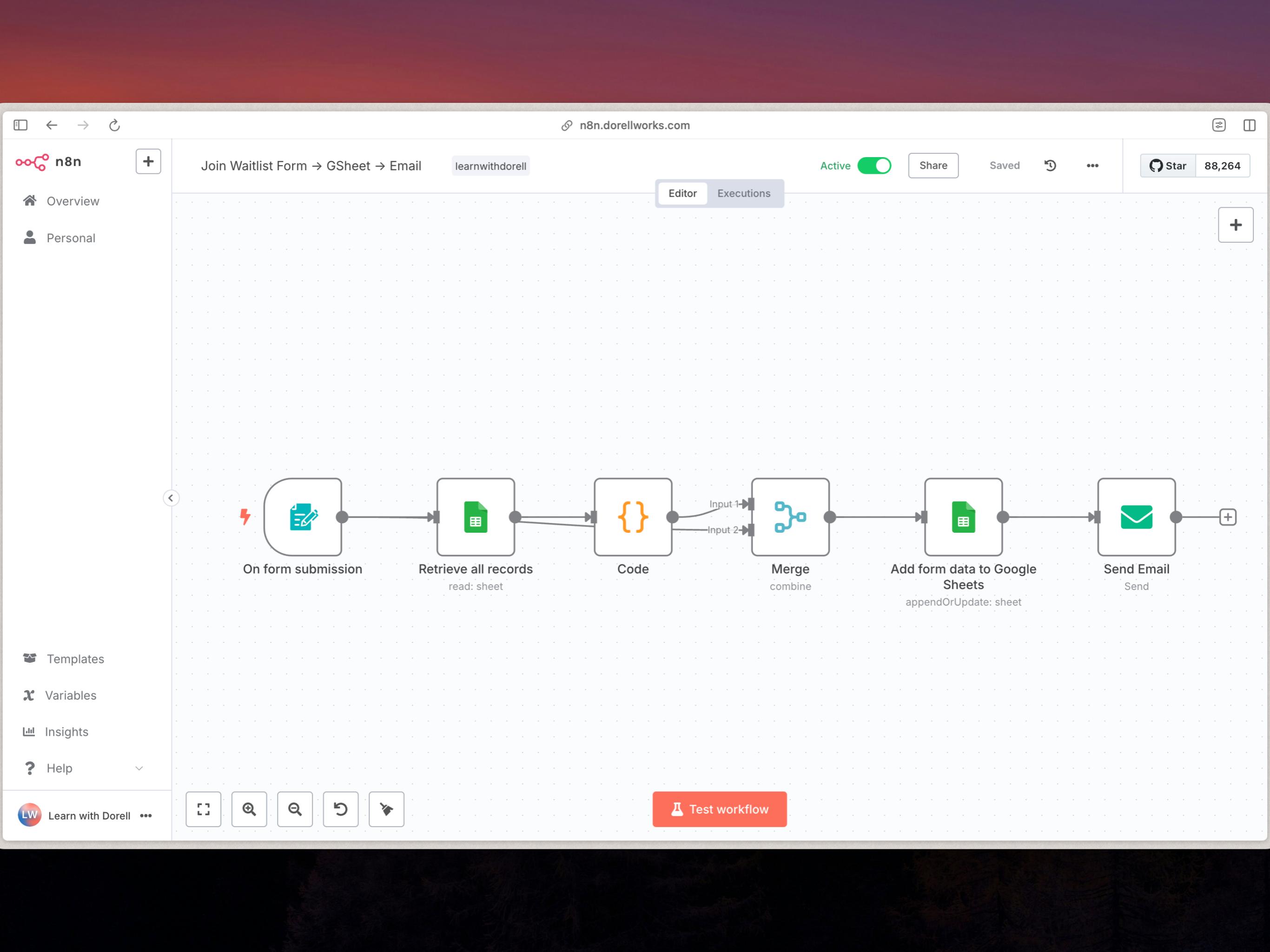
Application monitoring software considered "not bad" by 4 million developers.

[TRY SENTRY FOR FREE](#) [EXPLORE THE SANDBOX](#)

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**Step 7.**

# **Automations with n8n**



**Post launch = Day 1**

# Pillars of AI PRODUCT Success 💪

**1. Don't build tech-first.  
Observe real pain point**

**2. AI should give 10x edge,  
not just a 1.2x polish**

**3. Usability > Novelty**

# **4. Ship Fast, Validate Faster**



# **KEEP UP TO DATE**

**BUILDING** 💪

# Code Editor / IDE



The screenshot shows the Cursor AI Code Editor website and its interface. The website header includes the Cursor logo, navigation links for PRICING, FEATURES, ENTERPRISE, BLOG, FORUM, and CAREERS, and buttons for SIGN IN and DOWNLOAD. The main heading "The AI Code Editor" is displayed prominently against a colorful background gradient. Below the heading, a sub-headline reads: "Built to make you extraordinarily productive, Cursor is the best way to code with AI." Two download buttons are shown: "DOWNLOAD FOR MACOS" and "ALL DOWNLOADS". The bottom section features a screenshot of the Cursor application interface, which includes a code editor window showing Rust code for a transport stack, a chat window with AI suggestions, and a composer window for generating code changes.

cursor.com

CURSOR

PRICING FEATURES ENTERPRISE BLOG FORUM CAREERS

SIGN IN DOWNLOAD

# The AI Code Editor

Built to make you extraordinarily productive,  
Cursor is the best way to code with AI.

DOWNLOAD FOR MACOS ALL DOWNLOADS

mod.rs

Implement the cleanup function for the tranport stack. Do not make the upgrade listeners optional.

Accept Reject Follow-up instructions... ⌘K

```
72 pub(crate) struct TransportStack {  
73     l4: ListenerEndpoint,  
74     tls: Option<Arc<Acceptor>>,  
75     // listeners sent from the old process for graceful upgrade  
76     #[cfg(unix)]
```

CHAT COMPOSER

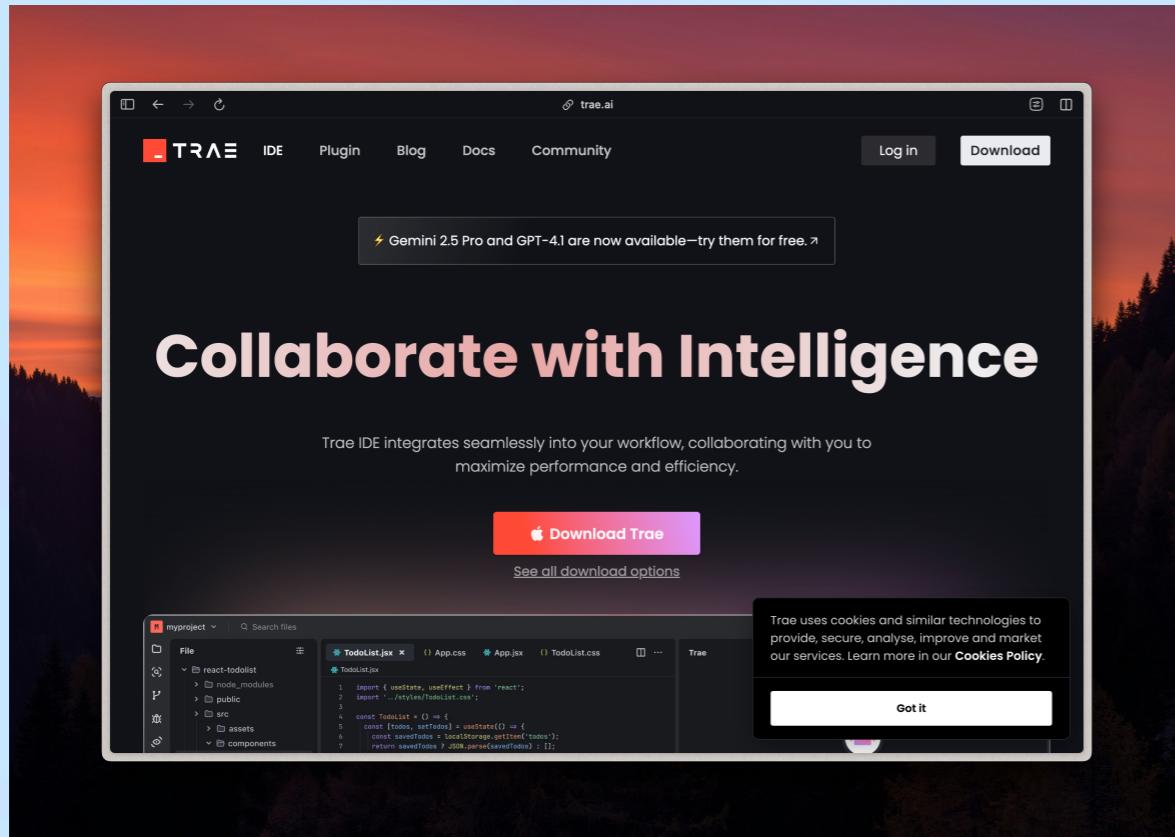
mod.rs Current File

Could you make it easier to switch certificates in the transport listeners?

I'll help modify the code to make certificate switching more flexible. The main changes will be to enhance the `TlsAccept` trait and modify how certificates are handled in the `TlsSettings`. Here are the key changes:

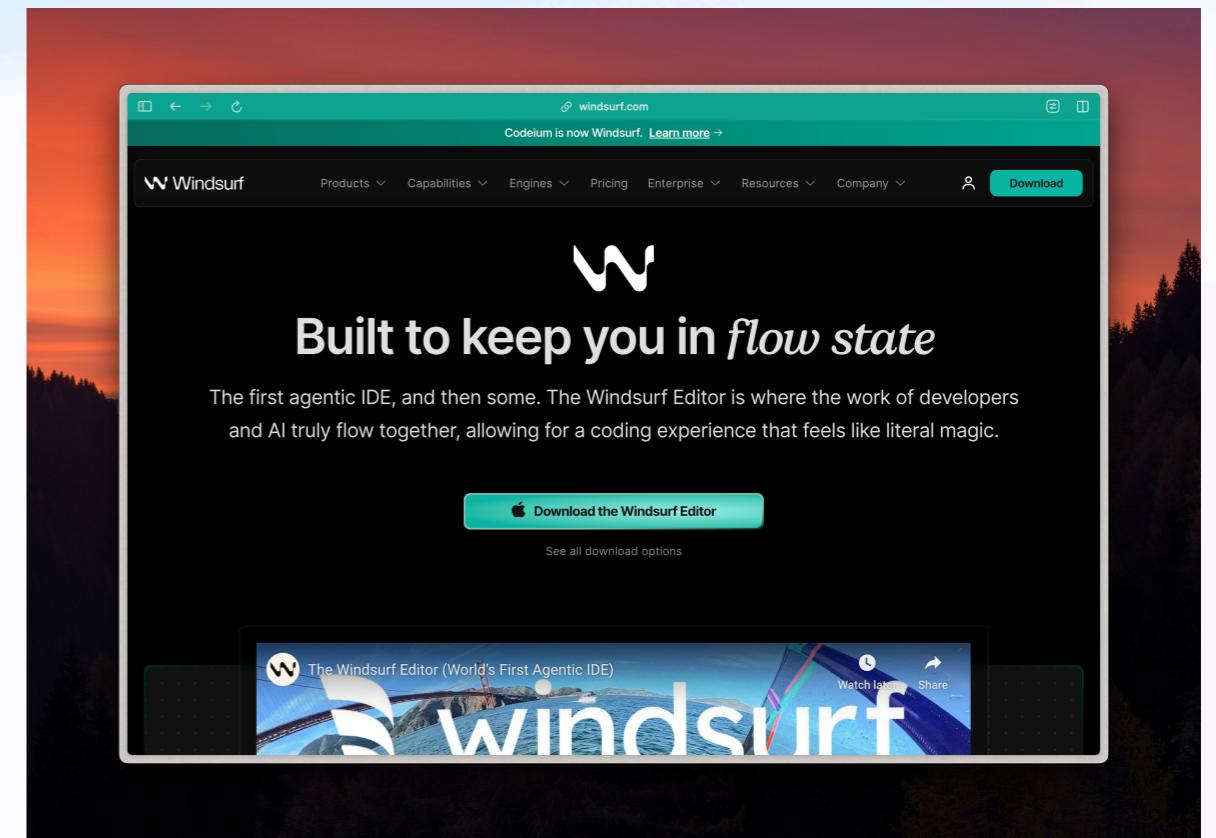
mod.rs

Ask Copy Apply



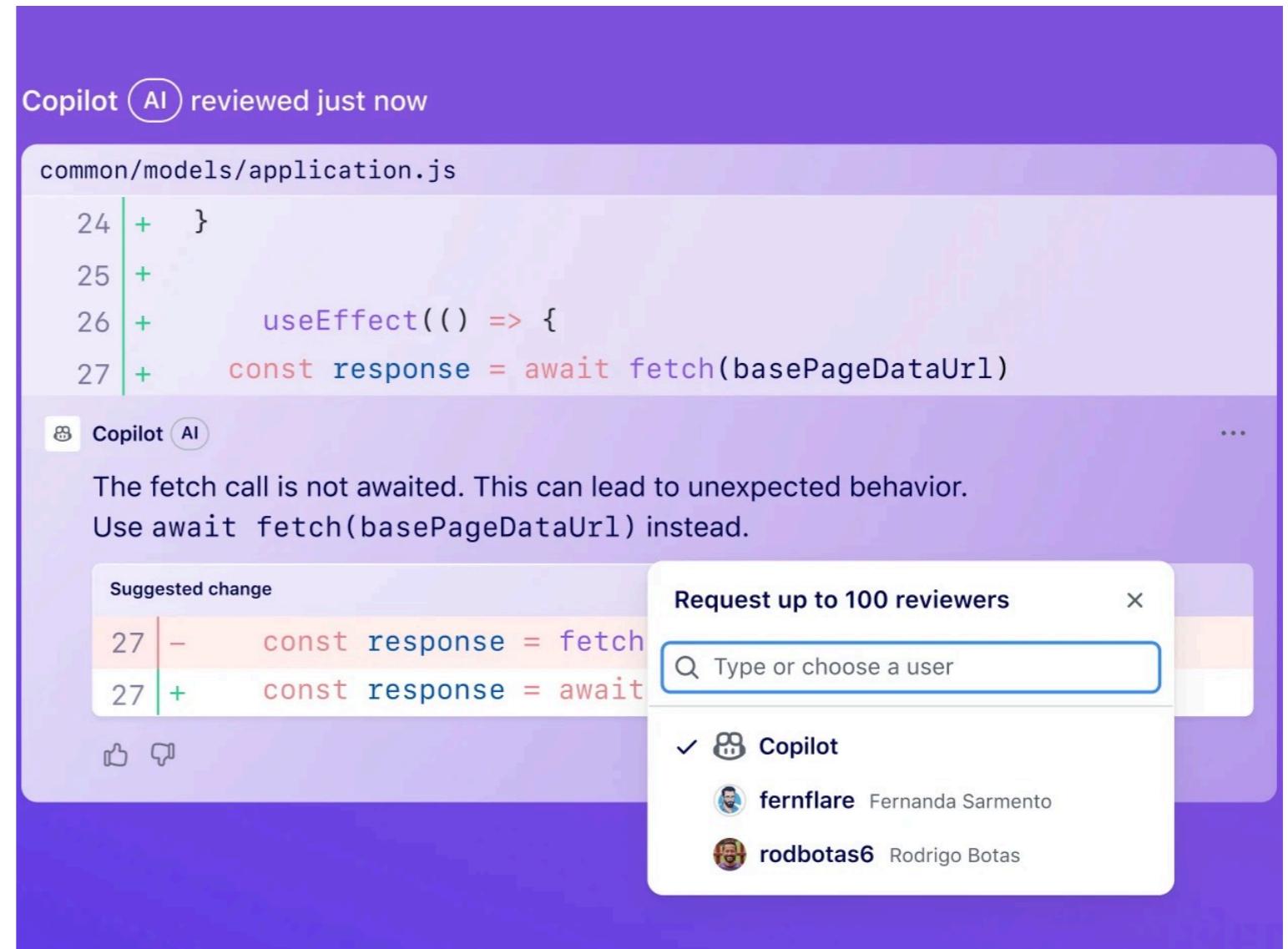
## Trae by TikTok

## Windsurf formerly Codeium



# Github Copilot AI

Quick code reviews...



# **Large Language Model (LLM)**



 anthropic.com

Claude API Solutions Research Commitments Learn News Try Claude

# Claude 3.7 Sonnet

Hybrid reasoning model, state-of-the-art coding skills, computer use, and 200K context window

[Try Claude](#) [Get API access](#)

## Announcements

**NEW** [Claude 3.7 Sonnet and Claude Code](#) Feb 24, 2025

Claude 3.7 Sonnet is the first hybrid reasoning model and our most intelligent model to date. It's state-of-the art for coding and delivers significant improvements in content generation, data analysis, and planning.

[Read more](#)

[Claude 3.5 Haiku and a new Claude 3.5 Sonnet](#) Oct 22, 2024

 anthropic.com

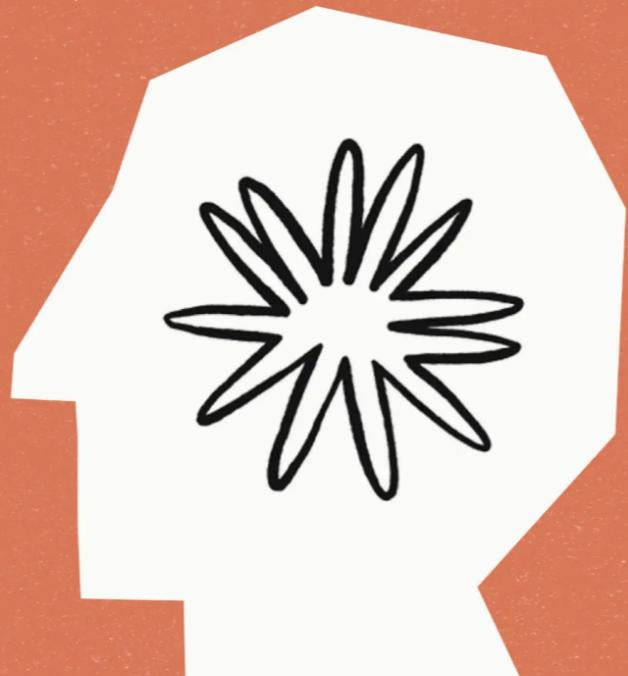
Claude API Solutions Research Commitments Learn News Try Claude

Announcements

# Claude 3.5 Sonnet

Jun 21, 2024 • 4 min read

Try on Claude.ai



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Home > TECHNOLOGY > GOOGLE DEEPMIND

# Gemini 2.5: Our most intelligent AI model

Mar 25, 2025 3 min read

Gemini 2.5 is a thinking model, designed to tackle increasingly complex problems. Our first 2.5 model, Gemini 2.5 Pro Experimental, leads common benchmarks by meaningful margins and showcases strong reasoning and code capabilities.

Koray Kavukcuoglu  
CTO of Google DeepMind

Share



# **Model Context Protocol (MCP)**

github.com

modelcontextprotocol / servers

Type ⌘ to search

Code Issues 257 Pull requests 384 Actions Security Insights

servers Public Watch 322 Fork 4.7k Star 42.9k

main 6 Branches 25 Tags Go to file + Code

tadasant Merge pull request #1628 from Taidgh-Robinso... 1b2f426 · 16 hours ago 2,212 Commits

File	Commit Message	Time Ago
.github	Tweak CI triggers	3 months ago
scripts	new release workflow	4 months ago
src	Merge branch 'main' into main	last week
.gitattributes	Initial commit	6 months ago
.gitignore	Updated Filesystem	6 months ago
.npmrc	Initial commit	6 months ago
CODE_OF_CONDUCT.md	Initial commit	6 months ago
CONTRIBUTING.md	Sort lists in README alphabetically	4 months ago
LICENSE	Initial commit	6 months ago
README.md	Merge pull request #1628 from Taidgh-Robinso...	16 hours ago
SECURITY.md	Minor readme nits	6 months ago
package-lock.json	update package.lock	last week

About

Model Context Protocol Servers

[modelcontextprotocol.io](#)

Readme MIT license Code of conduct Security policy Activity Custom properties 42.9k stars 322 watching 4.7k forks Report repository

Releases 17

[Release 2025.4.24 Latest](#) last week + 16 releases

github.com

README MIT license

# Context7 MCP - Up-to-date Code Docs For Any Prompt

Website context7.com smithery.ai ▲ 3.42k Install Context7 MCP VS Code

docs 中文版 docs 한국어 docs Español docs Français docs Português (Brasil) docs Italian docs Bahasa Indonesia  
docs Deutsch

## ✗ Without Context7

LLMs rely on outdated or generic information about the libraries you use. You get:

- ✗ Code examples are outdated and based on year-old training data
- ✗ Hallucinated APIs don't even exist
- ✗ Generic answers for old package versions

## ✓ With Context7

Context7 MCP pulls up-to-date, version-specific documentation and code examples straight from the source — and places them directly into your prompt.

Add `use context7` to your prompt in Cursor:

```
Create a basic Next.js project with app router. use context7
```

```
Create a script to delete the rows where the city is "" given PostgreSQL credenti; ↗
```

+ 11 contributors

Languages

JavaScript 58.5% TypeScript 34.7% Dockerfile 6.8%

github.com

README MIT license

# BrowserTools MCP

Make your AI tools 10x more aware and capable of interacting with your browser

This application is a powerful browser monitoring and interaction tool that enables AI-powered applications via Anthropic's Model Context Protocol (MCP) to capture and analyze browser data through a Chrome extension.

Read our [docs](#) for the full installation, quickstart and contribution guides.

## Roadmap

Check out our project roadmap here: [Github Roadmap / Project Board](#)

## Updates

v1.2.0 is out! Here's a quick breakdown of the update:

- You can now enable "Allow Auto-Paste into Cursor" within the DevTools panel. Screenshots will be automatically pasted into Cursor (just make sure to focus/click into the Agent input field in Cursor, otherwise it won't work!)
- Integrated a suite of SEO, performance, accessibility, and best practice analysis tools via Lighthouse
- Implemented a NextJS specific prompt used to improve SEO for a NextJS application
- Added Debugger Mode as a tool which executes all debugging tools in a particular sequence, along with a prompt to improve reasoning
- Added Audit Mode as a tool to execute all auditing tools in a particular sequence
- Resolved Windows connectivity issues

Releases 3

v1.2.0 - SEO, Performance + ... Latest on Mar 11 + 2 releases

Packages No packages published

Contributors 7

JavaScript 65.6% TypeScript 31.9% HTML 2.5%

The screenshot shows a browser window with the URL `github.com` in the address bar. The page content is the documentation for the `puppeteer` module, specifically the `servers / src / puppeteer /` section. The title is **Puppeteer**. A brief description follows: "A Model Context Protocol server that provides browser automation capabilities using Puppeteer. This server enables LLMs to interact with web pages, take screenshots, and execute JavaScript in a real browser environment." Below this is a section titled **Components**, which contains a list of tools:

- **puppeteer\_navigate**
  - Navigate to any URL in the browser
  - Inputs:
    - `url` (string, required): URL to navigate to
    - `launchOptions` (object, optional): PuppeteerJS LaunchOptions. Default null. If changed and not null, browser restarts.  
Example: `{ headless: true, args: ['--user-data-dir="C:/Data"'}`
    - `allowDangerous` (boolean, optional): Allow dangerous LaunchOptions that reduce security. When false, dangerous args like `--no-sandbox`, `--disable-web-security` will throw errors. Default false.
- **puppeteer\_screenshot**
  - Capture screenshots of the entire page or specific elements
  - Inputs:
    - `name` (string, required): Name for the screenshot
    - `selector` (string, optional): CSS selector for element to screenshot
    - `width` (number, optional, default: 800): Screenshot width
    - `height` (number, optional, default: 600): Screenshot height

# **Agent2Agent Protocol (A2A)**

□ ← → ↻

🔗 developers.googleblog.com

Google for Developers Products ▾ Solutions Events Learn Community ▾ Developer Program Blog

🔍 Search all articles... Search

🌐 English ▾

CLOUD

# Announcing the Agent2Agent Protocol (A2A)

APRIL 9, 2025

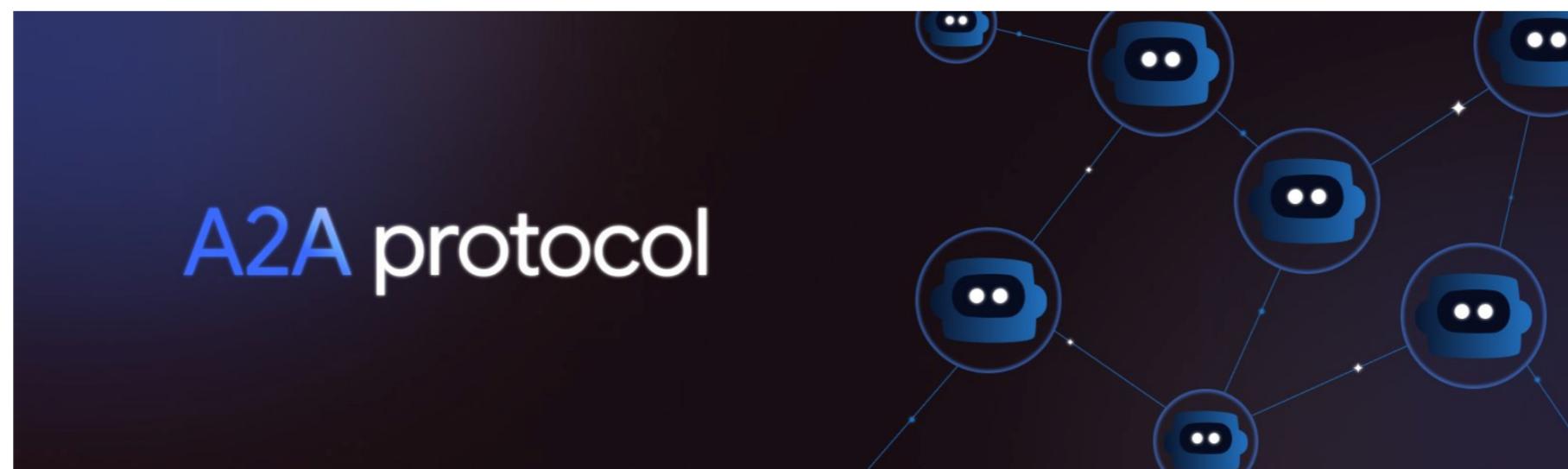
Rao Surapaneni  
VP and GM  
Business Application Platform

Miku Jha  
Director, AI/ML Partner Engineering  
Google Cloud

Michael Vakoc  
Product Manager  
Google Cloud

Todd Segal  
Principal Engineer  
Business Application Platform

🔗 Share



A new era of Agent Interoperability

# **Resources To Get Started**

Agent Development Kit

adk-python  
v0.3.0 ⭐ 8.1k 783

Agent Development Kit

What is Agent Development Kit?

Agent Development Kit (ADK) is a flexible and modular framework for **developing and deploying AI agents**. While optimized for Gemini and the Google ecosystem, ADK is **model-agnostic, deployment-agnostic**, and is built for **compatibility with other frameworks**. ADK was designed to make agent development feel more like software development, to make it easier for developers to create, deploy, and orchestrate agentic architectures that range from simple tasks to complex workflows.

Get started:

`pip install google-adk`

Quickstart

Tutorials

Sample Agents

API Reference

Contribute ❤️

Learn more ⓘ

Flexible Orchestration

Multi-Agent Architecture

The screenshot shows a dark-themed web browser window displaying the AI SDK homepage at [sdk.vercel.ai](https://sdk.vercel.ai). The page features a large title "The AI Toolkit for TypeScript" in white text. Below the title, a subtitle reads: "From the creators of Next.js, the AI SDK is a free open-source library that gives you the tools you need to build AI-powered products." There are three call-to-action buttons: "Get Started", "\$ npm i ai", and "Visit Playground". The page is "Trusted by builders at" logos for perplexity, supabase, Vercel, Sitecore, Chick-fil-A, and Chatbase. At the bottom, there are four cards showing AI-related icons: a neural network, AI, a person, and an ellipsis; a speech bubble saying "Make a music player"; a green checkmark icon; and a React logo.

AI SDK Docs Cookbook Providers Showcase Playground

Search... Feedback Sign in with Vercel

AI SDK 4.2 is now available! [Read Announcement](#)

# The AI Toolkit for TypeScript

From the creators of Next.js, the AI SDK is a free open-source library that gives you the tools you need to build AI-powered products.

Get Started \$ npm i ai Visit Playground

Trusted by builders at

perplexity supabase Vercel SITECORE Chick-fil-A Chatbase

Make a music player

platform.openai.com

OpenAI Platform

Docs API reference Log in Sign up

Search K

GET STARTED

- Overview
- Quickstart
- Models
- Pricing
- Libraries

CORE CONCEPTS

- Text and prompting**
- Images and vision
- Audio and speech
- Structured Outputs
- Function calling
- Conversation state
- Streaming
- File inputs
- Reasoning

Cookbook Forum Help

# Text generation and prompting

Learn how to prompt a model to generate text.

With the OpenAI API, you can use a [large language model](#) to generate text from a prompt, as you might use [ChatGPT](#). Models can generate almost any kind of text response—like code, mathematical equations, structured JSON data, or human-like prose.

Here's a simple example using the [Responses API](#).

Generate text from a simple prompt javascript

```
1 import OpenAI from "openai";
2 const client = new OpenAI();
3
4 const response = await client.responses.create({
5   model: "gpt-4.1",
6   input: "Write a one-sentence bedtime story about a unicorn."
7 });
8
9 console.log(response.output_text);
```

An array of content generated by the model is in the `output` property of the response. In this simple example, we have just one output which looks like this:

```
1 [
2   {
3     "id": "msa_67b73f697ba4819183a15cc17d011509",
```

Responses

- Text input and output
- Choosing a model
- Prompt engineering
- Message roles and instruction following
- Message formatting
- Few-shot learning
- Include relevant context
- Prompt GPT-4.1 models
- Prompt reasoning models
- Next steps

langchain.com

LangChain

Products Resources Docs Company Pricing

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# Applications that can reason. Powered by LangChain.

Get a demo

Sign up to be the first to access recordings from **Interrupt, The AI Agent Conference!** [Learn More ↗](#)

# SHIPPED



Proudly bootstrapped during Cebu #hacktoberfest 2024

"From Lab to Launch": Cebu's AI Seminar for Builders  
by AI Generation Cebu Organization 

**AI GEN CEBU**

# From LAB to LAUNCH

An AI Seminar for Builders in Cebu

RSVP Here



03 | 02.00 PM

Share Your Feedback

Your Feedback

Share your thoughts, suggestions, or report issues...

Email (optional)

your@email.com

Cancel Submit

"From Lab to Launch": Cebu's AI Seminar for Builders

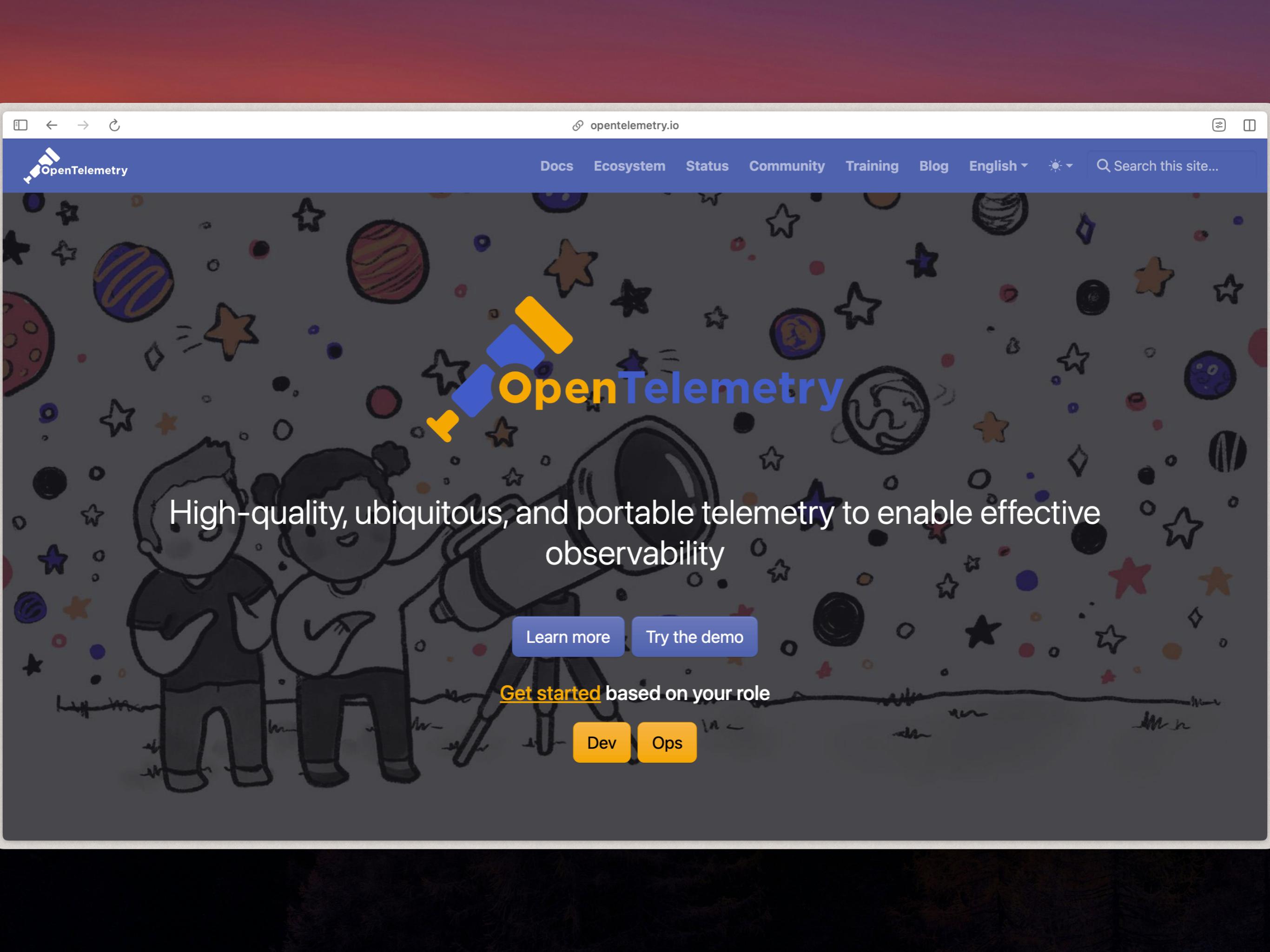
Saturday at 2:00 PM - 5:30 PM

Going to this event?  
A few people are attending

RSVP on Facebook 

Event Time

# Telemetry 😎



opentelemetry.io

Docs Ecosystem Status Community Training Blog English ☰ Search this site...

High-quality, ubiquitous, and portable telemetry to enable effective observability

Learn more

Try the demo

Get started based on your role

Dev

Ops

The screenshot shows the PostHog website homepage with a dark background featuring a sunset or sunrise over a forest silhouette. At the top, the URL "posthog.com" is in the address bar, and the PostHog logo is on the left. A navigation bar includes links for "Why PostHog?", "Products", "Pricing", "Docs", "Community", and "Company", along with "Get started" and user icons.

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The single platform to analyze, test, observe, and deploy new features

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All products Production WIP • Roadmap •

**Product**

- [Product analytics](#)
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**Marketing**

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