



Hacktoberfest

2025

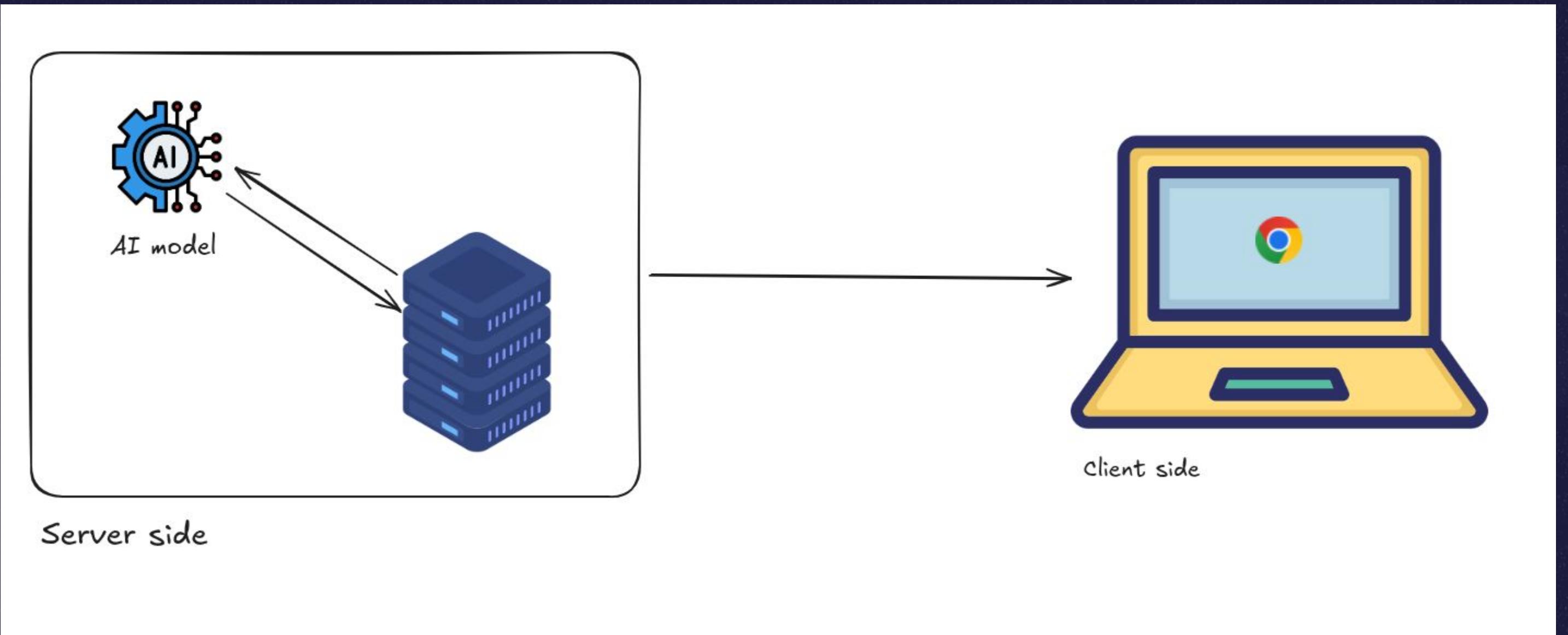
Powered by DigitalOcean and MLH
MAJOR LEAGUE HACKING

Getting started with Chrome built-in IA APIs

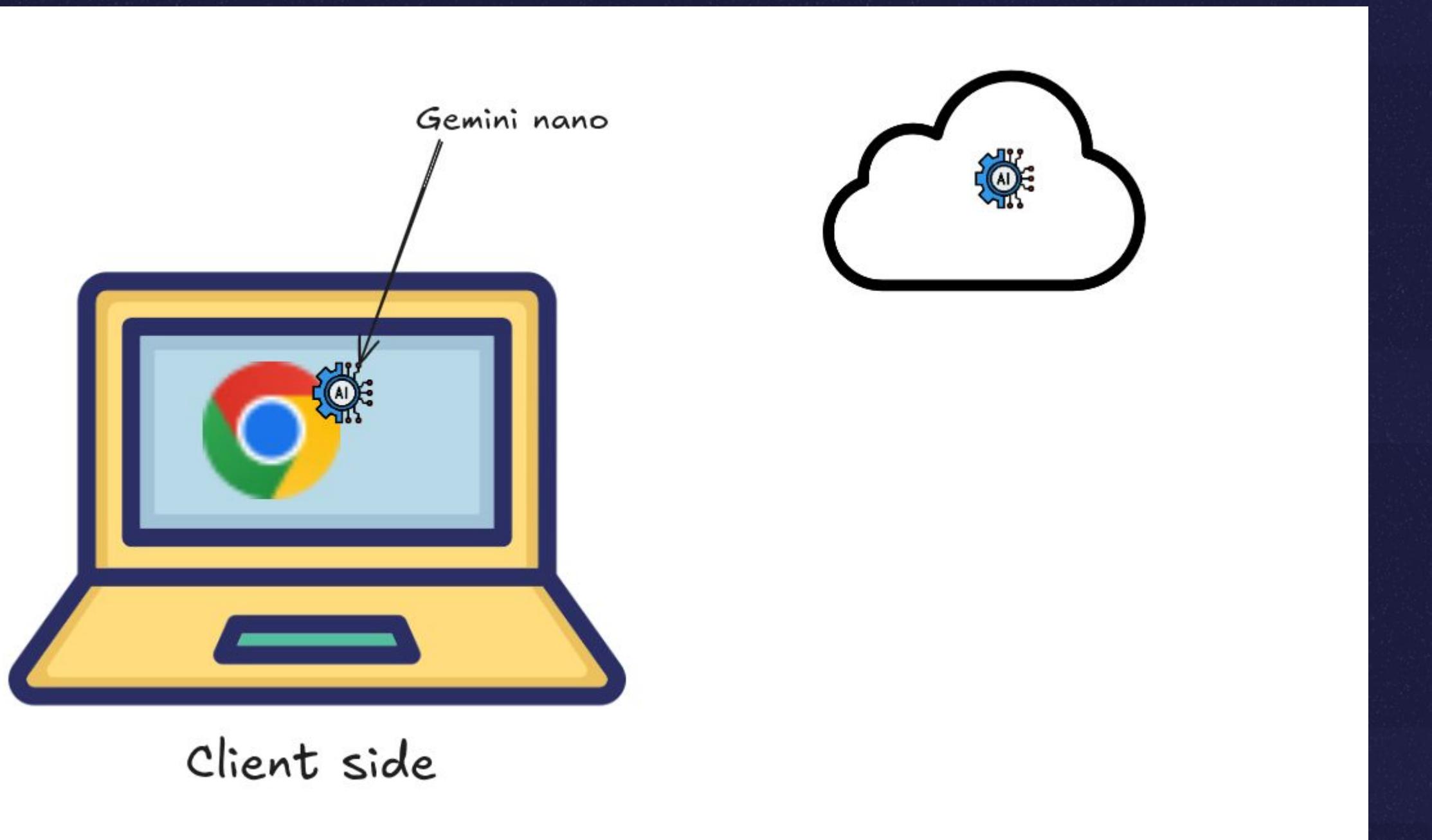


Waly (Sir Kane)
Web developer
 @_sir_kane

Way to implement



Way to implement



Client side advantages

Private

Sensitive data never needs to leave the user's browser.

Offline

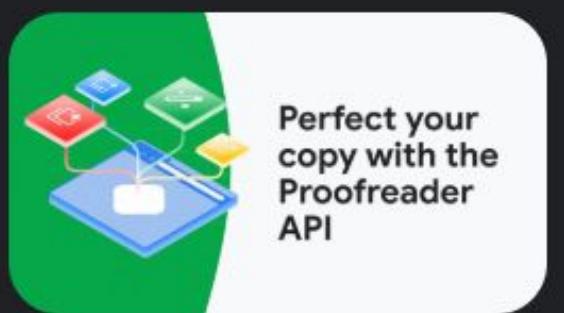
With models running in the browser, you don't need an Internet connection.

Performance

Always get great real-time performance thanks to hardware acceleration.

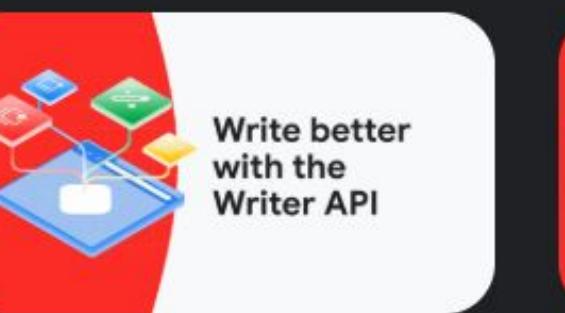


The APIs



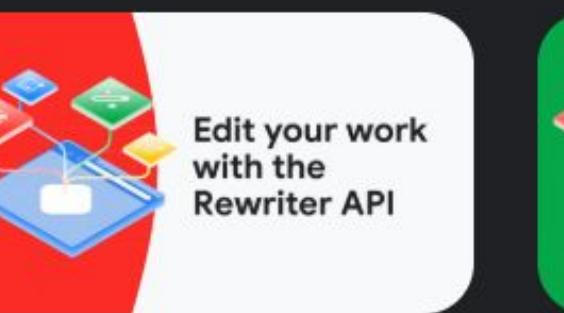
Perfect your copy with the Proofreader API

API Proofreader



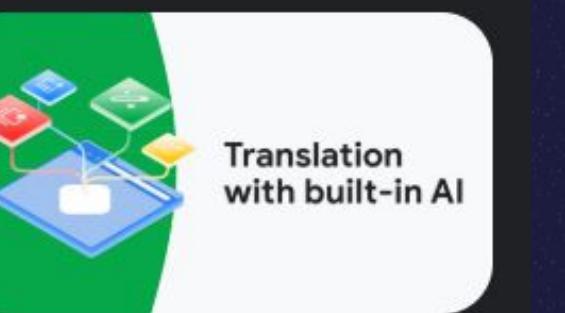
Write better with the Writer API

API Writer



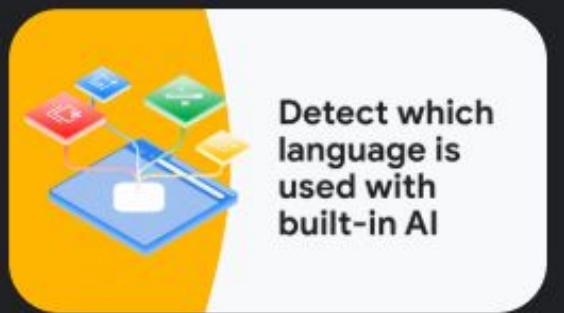
Edit your work with the Rewriter API

API Rewriter



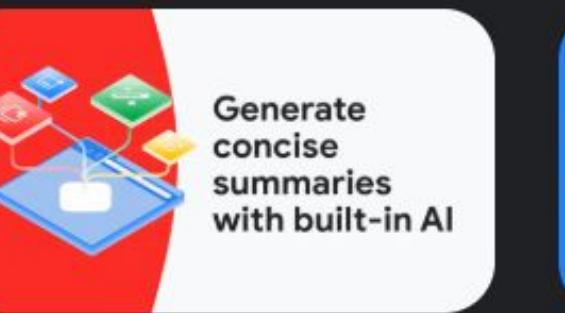
Translation with built-in AI

API Translator



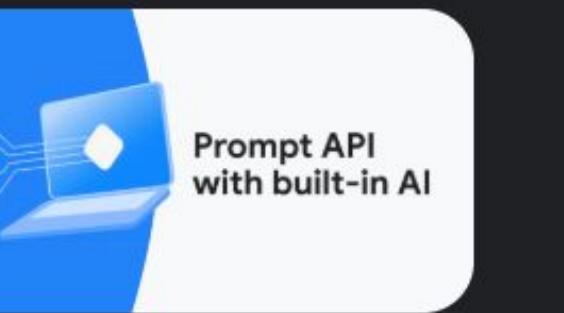
Detect which language is used with built-in AI

API Language Detector



Generate concise summaries with built-in AI

API Summarizer



Prompt API with built-in AI

API Prompt



Prompt API with text



defineAsyncComponent

```
const session = await LanguageModel.create({  
  expectedInputs: [{ type: "text", languages: ["en"] }],  
  expectedOutputs: [{ type: "text", languages: ["en"] }]  
});  
const response = await session.prompt(  
  "Explain quantum computing like I'm five."  
);  
// "Imagine you have a special box that can be both a coin and a  
// door at the same time, like magic! That's kind of like a  
// quantum bit. [...]"
```



Prompt API with image

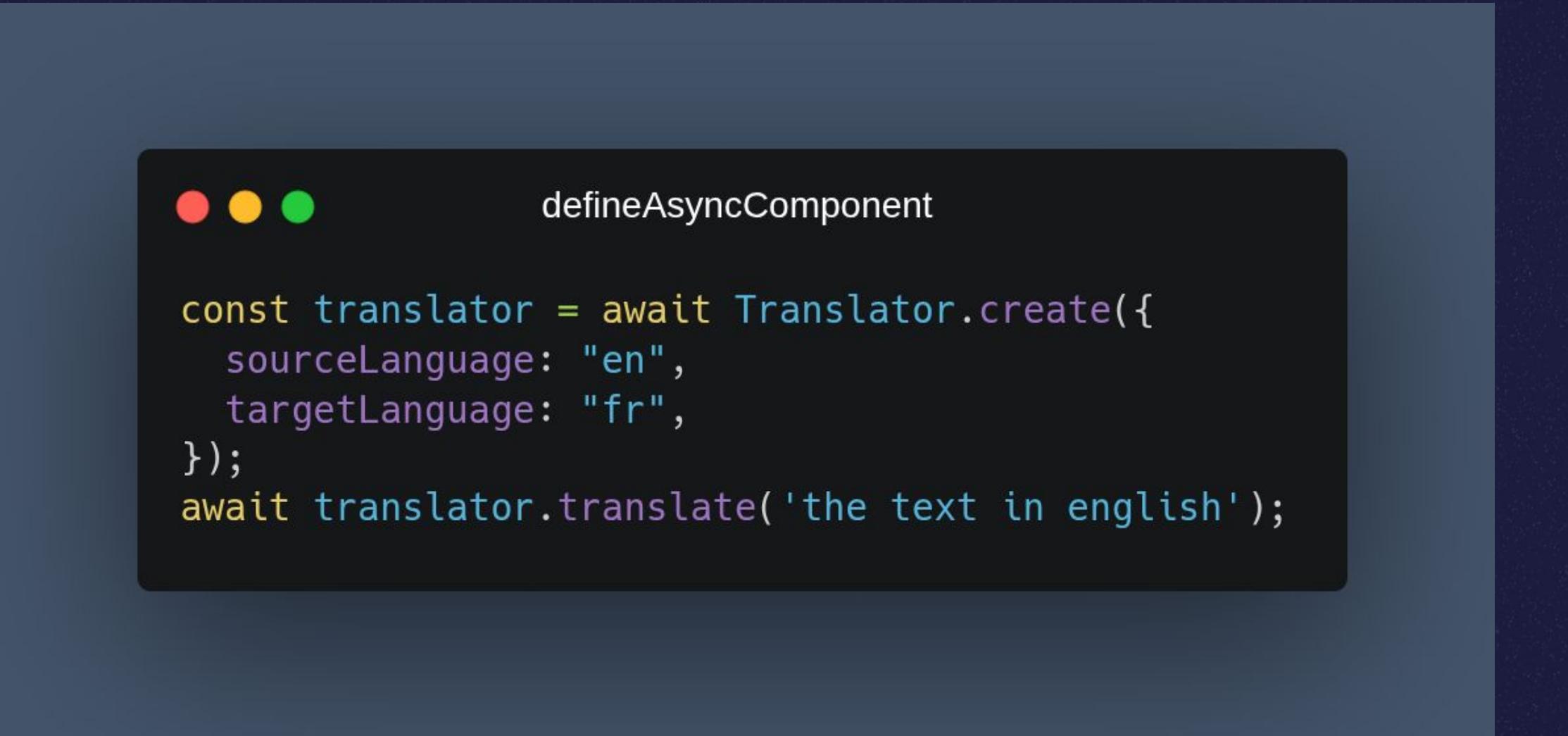


defineAsyncComponent

```
const session = await LanguageModel.create({
  expectedInputs: [{ type: "image" }, { type: "text" }],
});
const result = await session.prompt([
  {
    role: "user",
    content: [
      { type: "text", value: input.value },
      { type: "image", value: document.querySelector("img") },
    ],
  },
]);
```



Translation API



Ref:

<https://bsky.app/profile/tomayac.com/post/3Izlaf5kpq22x>



Summarizer API



defineAsyncComponent

```
const summarizer = await Summarizer.create();
await summarizer.summarize("Text to summarize...");
```



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Join the early preview program

This is an early preview program, so developers can get their hands on our APIs the moment the code lands in Chrome.

Sign up at
[goo.gle/chrome-ai-dev-preview-join!](https://goo.gle/chrome-ai-dev-preview-join)



Join the Built-in AI Challenge 2025

Register for the hackathon and submit your project before November 1st for a chance to win **\$70,000** in cash.

Sign up at goo.gle/ChromeAIChallenge2025



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Questions?