



Hacktoberfest

2025

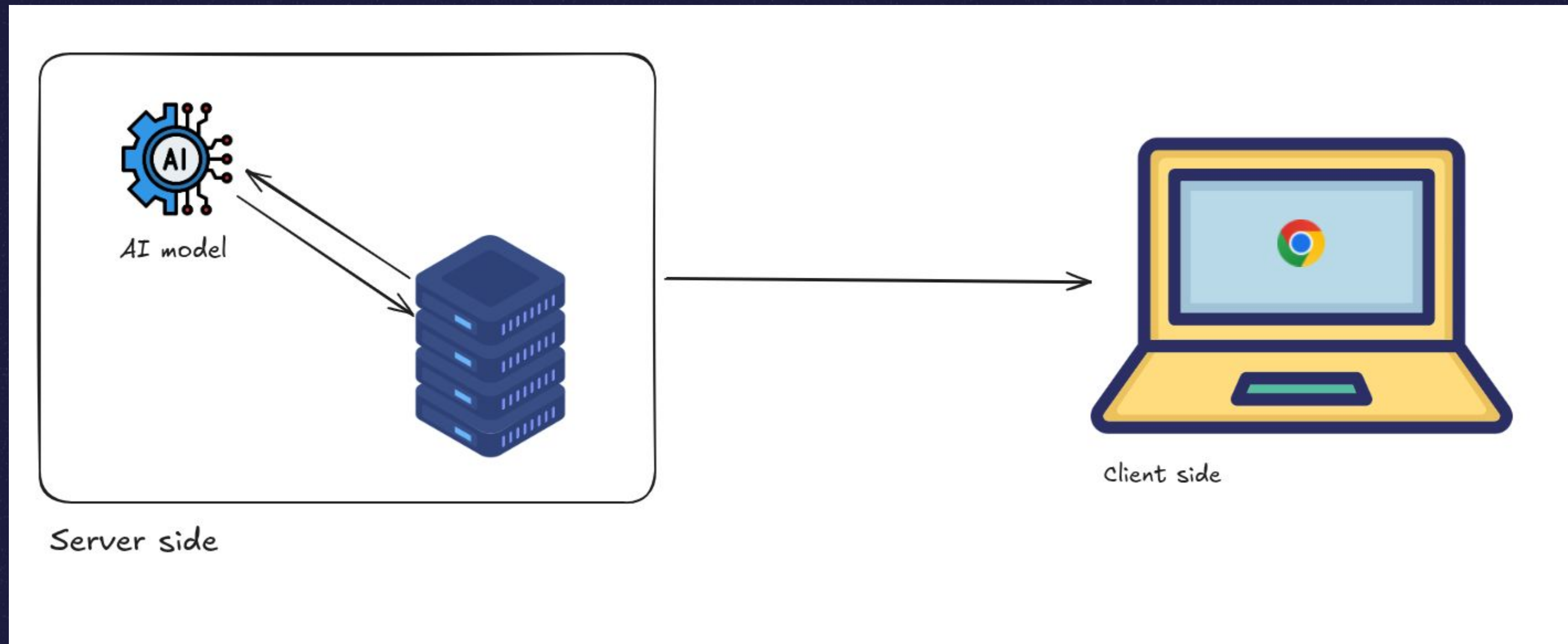
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MAJOR LEAGUE HACKING

Getting started with Chrome built-in IA APIs

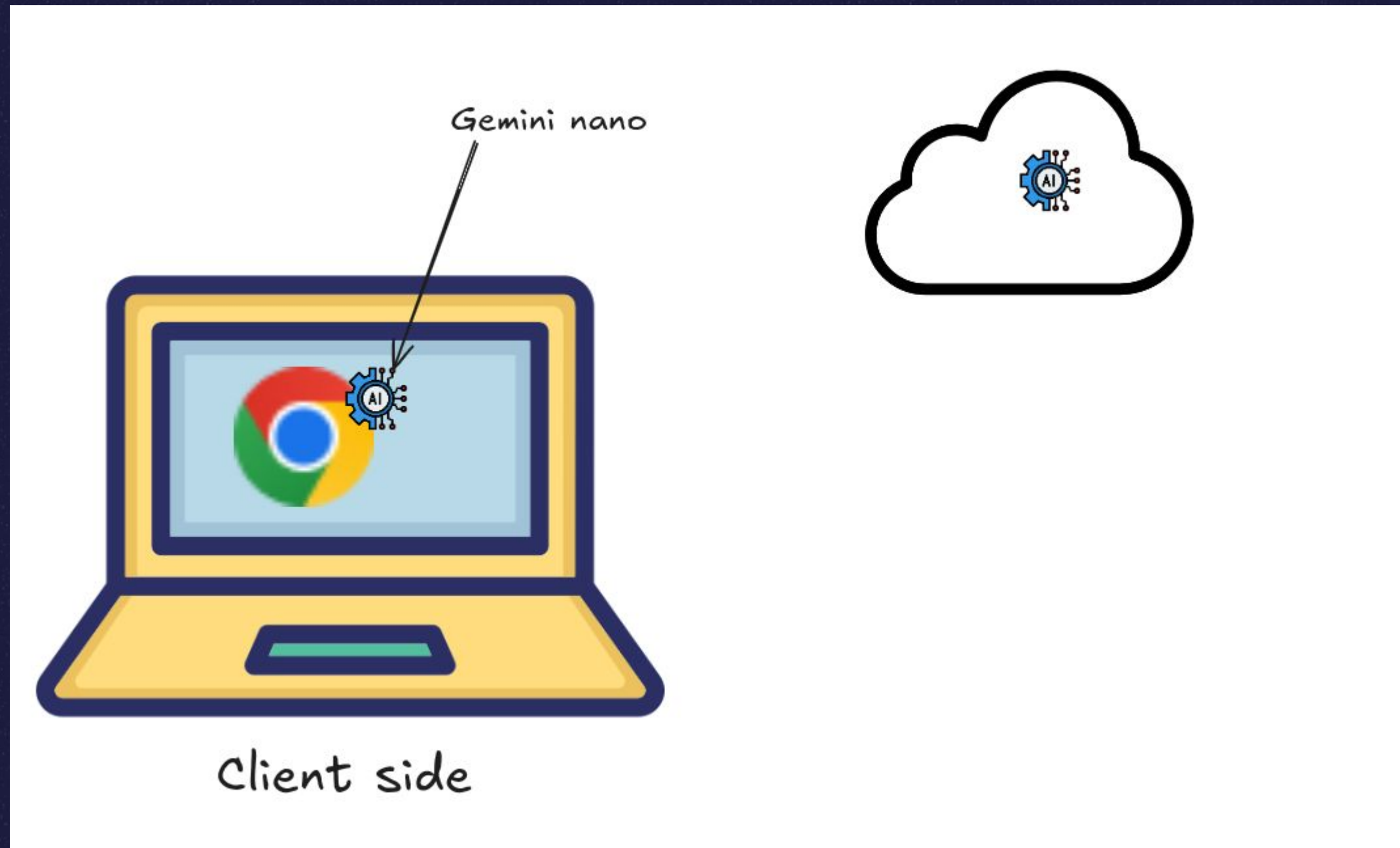


Waly (Sir Kane)
Web developer
@_sir_kane

Way to implement



Way to implement



Client side advantages

Private

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

Offline

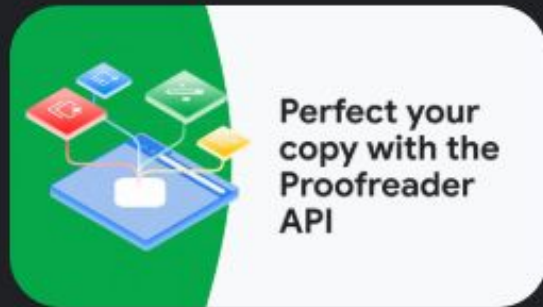
■ With models running in the browser, you don't need an Internet connection.

Performance

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



The APIs



API Proofreader



API Writer



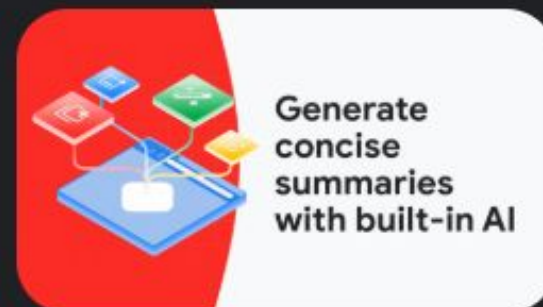
API Rewriter



API Translator



API
Language Detector



API Summarizer



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

```
defineAsyncComponent

const translator = await Translator.create({
  sourceLanguage: "en",
  targetLanguage: "fr",
});
await translator.translate('the text in english');
```

Ref:

<https://bsky.app/profile/tomayac.com/post/3lz1af5kpg22x>



Summarizer API



defineAsyncComponent

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

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!



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/ChromeAICheckange2025



Questions?