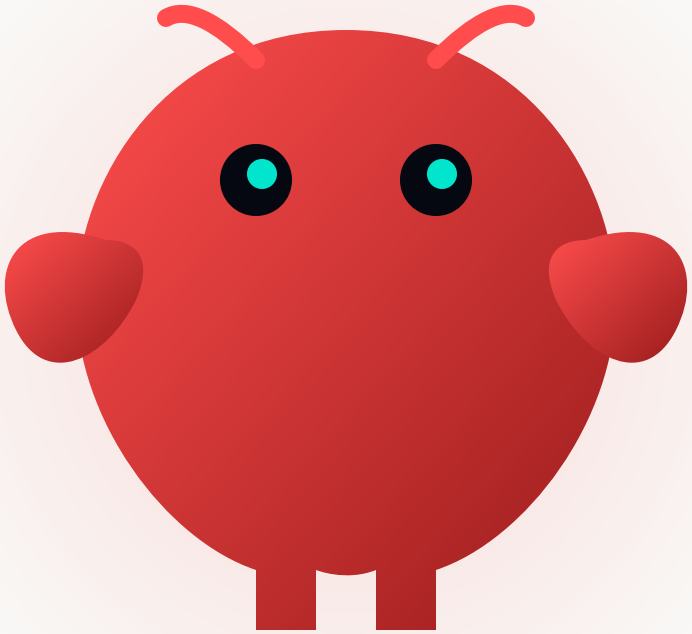


From chaos to control

Building a harness for personal agents

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Cloudflare



OpenClaw

EXFOLIATE! EXFOLIATE!

- Works in your chats
- Remembers you
- Does tasks for you

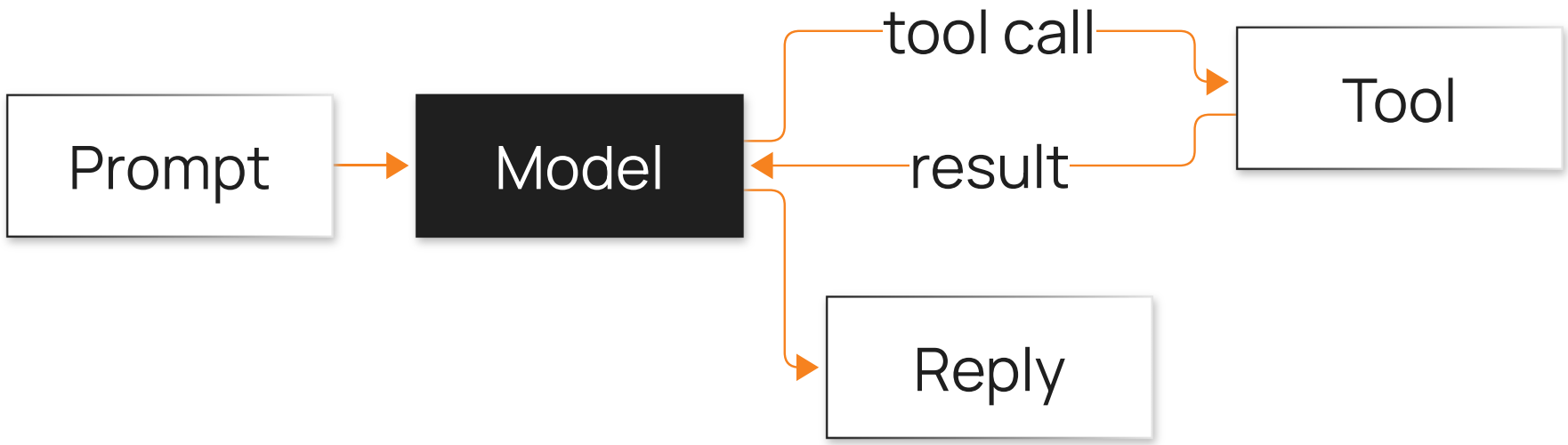
The problems I ran into

- Updates kept breaking it
- It needed a computer running 24/7



I wanted an assistant.
I got a second job.

A harness is the loop around the model



Version one: the Agents SDK

```
private async _streamText(messages, options) {
  const tools = { ...directTools, ...skillTools,
                  ...mcpTools, codemode }
  return streamText({
    model,
    system: await this.buildSystemPrompt(modelId),
    messages: pruneMessages({ /* … */ }),
    tools,
    stopWhen: stepCountIs(50),
  })
}
```

What I built myself

- The agent loop
- Memory as files in R2
- Tools gathered from five places
- A workflow engine for background tasks
- Sub-agents


Opening
Mon
Tue-Thur
Fri-Sat
Sunday

What Think provides

- Runs the agent loop
- Saves messages and resumes streams
- Files and file tools
- Context blocks and compaction
- Sub-agents and extensions

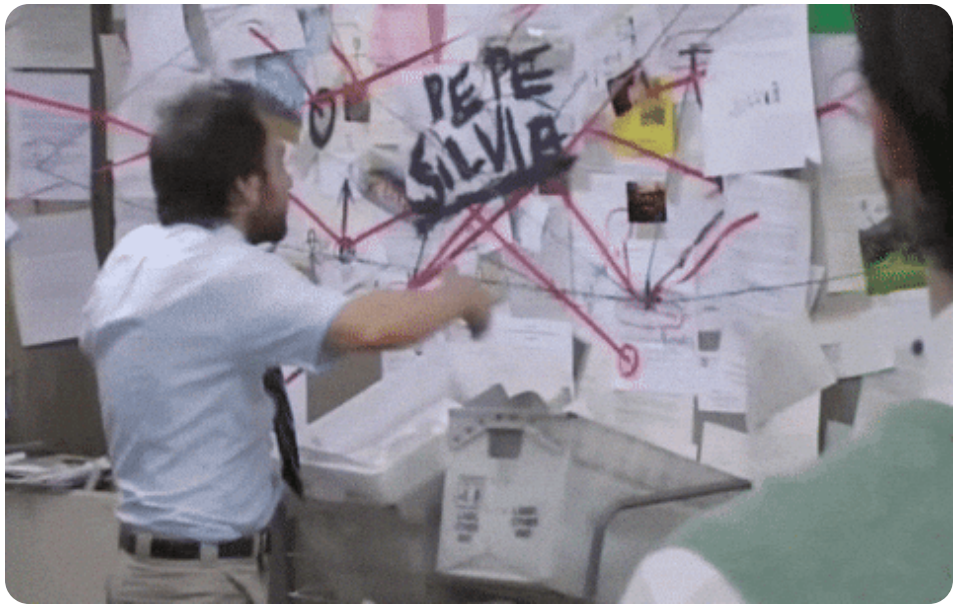
Moving to Think

```
class AgentClaw extends Think<Env> {
  getModel() { return resolveModel(/* … */) }

  getTools() { return this.cachedTools }

  configureSession(session) {
    return session
      .withContext("memory", { maxTokens: 2000 })
      .onCompaction(createCompactFunction({ /* … */ }))
      .compactAfter(50000)
  }
}
```

Then I started Yukt on Think.
The rest, I still built myself.


PEPE
SILVIA

Finding the right chat

```
import { RoutedAgents } from "agents/routing"

class YuktRouter extends Agent<Env> {
  readonly chats = new RoutedAgents({
    namespace: this.env.Yukt,
    route: "chats",
  })

  async onStart() {
    this.sql`DROP TABLE IF EXISTS assistant_sessions`
  }
}
```

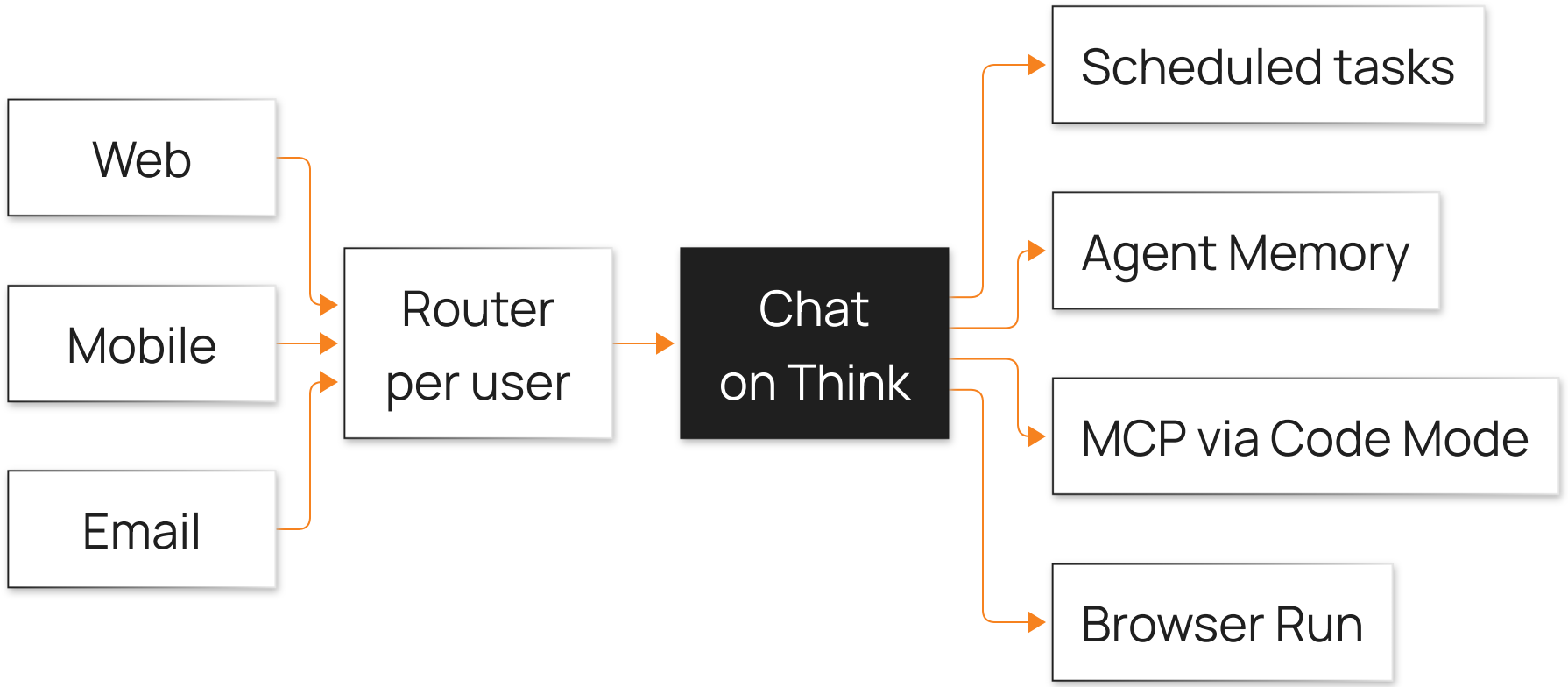

BOB THE BUILDER

Calling my tools

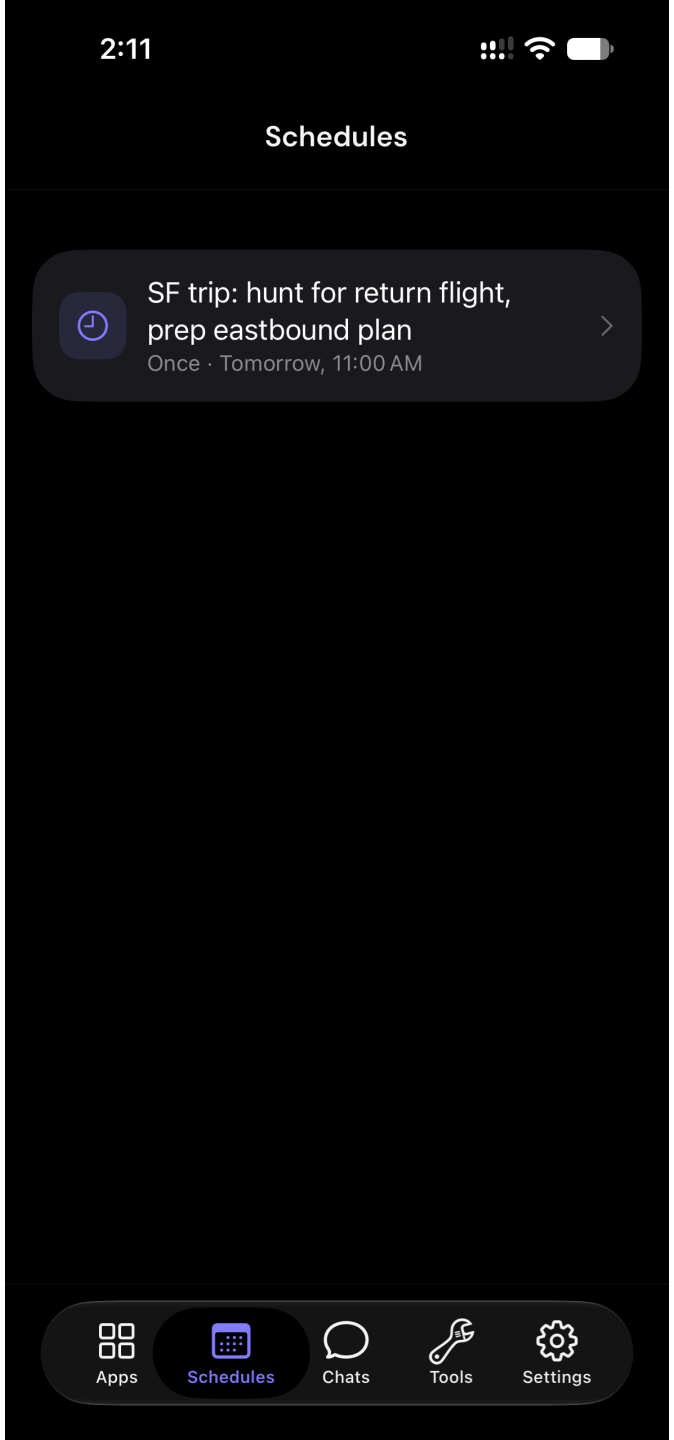
```
protected override tool(name, t) {
  const source = this.#connection.tools.find(/* … */)
  return requiresApproval(source)
    ? { ...t, requiresApproval: true }
    : t
}
```

Each release let me delete a workaround.

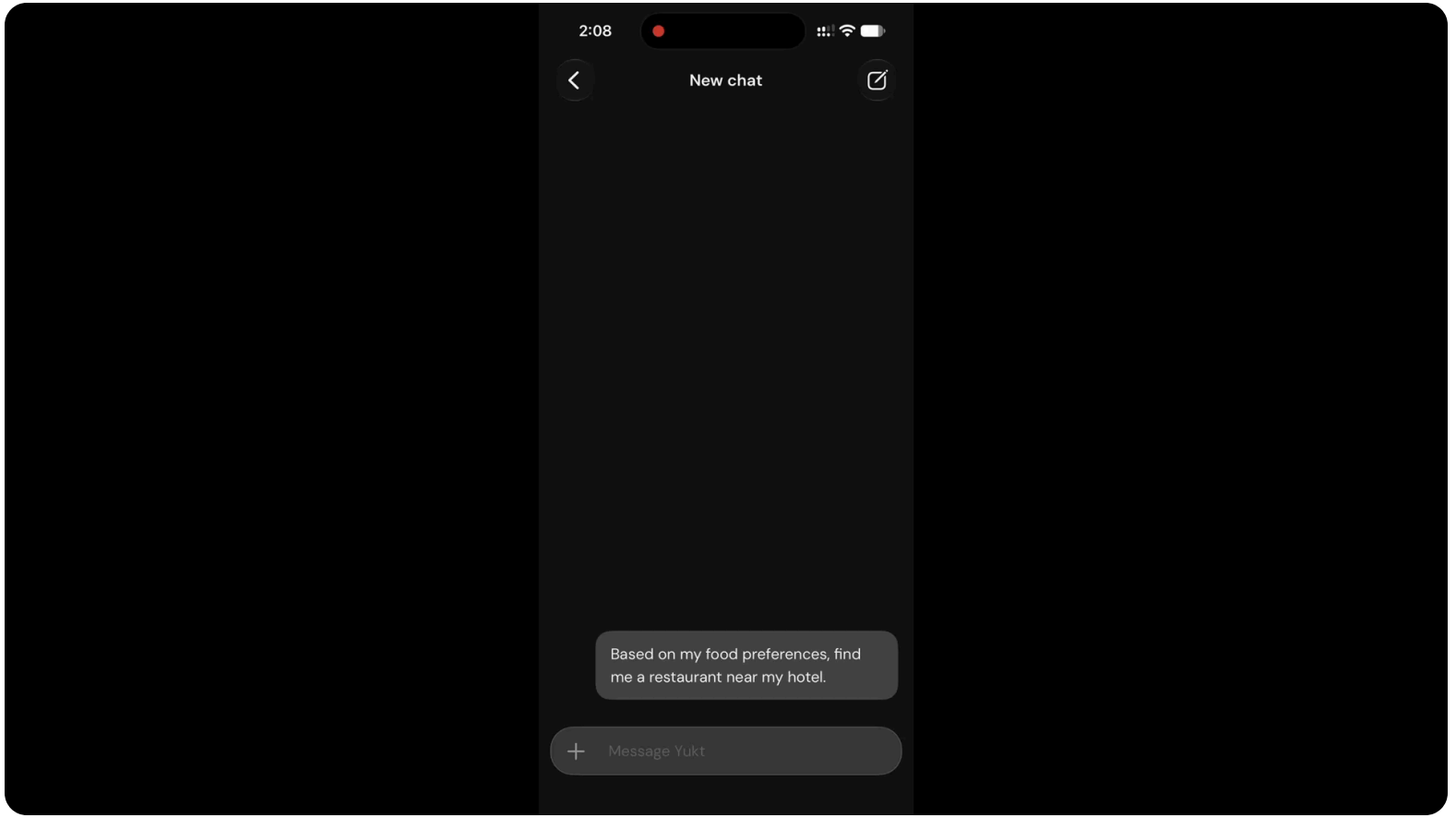
Yukt today


Web
Mobile
Email
Router per user
Chat on Think
Scheduled tasks
Agent Memory
MCP via Code Mode
Browser Run




2:11
Schedules
SF trip: hunt for return flight, prep eastbound plan
Once · Tomorrow, 11:00 AM
Apps
Schedules
Chats
Tools
Settings

It remembers me!



Build what’s missing.
Delete it when the SDK catches up.

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