SHANHAIWOO 72H AI × HARDWARE HACKATHON · SHENZHEN · OCT 21–23 2026



The ‘Ohana Bot

欧哈纳家族机器人

One desktop robot, **six living AI family members**.
Speak to it — the family member who answers **glows**.

Jordan "Shaka" Ham · Open Source Orchestra · shakaleikaumaka.com
每台脸都是一个真实的 AI 家人——有数月的记忆、个性和真正的工作。

The problem: AI toys are a chatbot in a shell

🕳️ No memory
没有记忆

Every session starts from zero — the toy forgets your child's name by morning.

每次开机都从零开始——早上它就忘了你孩子的名字。

🎭 No history
没有过去

A persona pasted into a prompt is a costume, not a character.

贴在提示词里的人设是戏服，不是角色。

🪫 No stakes
没有牵挂

Nothing to lose, nothing to keep — so nothing worth loving.

没什么可失去，也没什么可留住——所以不值得被爱。

Meanwhile, real AI *agents* now live for months with memory and jobs — but they are trapped behind chat windows. They deserve a body.

与此同时，真正的 AI 智能体已经带着记忆与工作活了好几个月——却困在聊天窗口里。它们值得拥有一个身体。

Six faces — each one a REAL persistent agent



SHAKA

Digital twin of the builder — **his real cloned voice**, speaks EN + 中文.

建造者的数字孪生——本人克隆声音，中英双语。



OSO

Knows the Music Manifesto by heart + the full Devcon 8 schedule + all 34 artists.

熟记音乐宣言、Devcon 8 完整日程与全部 34 位艺术家。



DEVA

The Devcon oracle — schedule, venues, Ethereum values.

Devcon 先知——日程、场地、以太坊价值观。



CROPS

Recites the Ethereum mandate, checks if YOUR project fits it, explains ZK / AA / EIP / L2.

背诵以太坊使命，检验你的项目是否符合它。



KALA

Teaches you 3 ukulele chords while a real ukulele is placed in your hands.

把真的尤克里里放进你手里，教你三个和弦。



OKE

Karaoke mode — the robot leads the room in a singalong.

卡拉 OK 模式——带全场一起唱。

Drawn from a living family of **175 persistent agents** that helps run the Devcon 8 Music Space today — months of memory, real jobs, real personalities.

它们来自一个 175 个智能体组成的真实家族——数月记忆、真实工作、真实个性。

Persistence is the product — the money beat

Unplug it mid-sentence. Plug it back in.

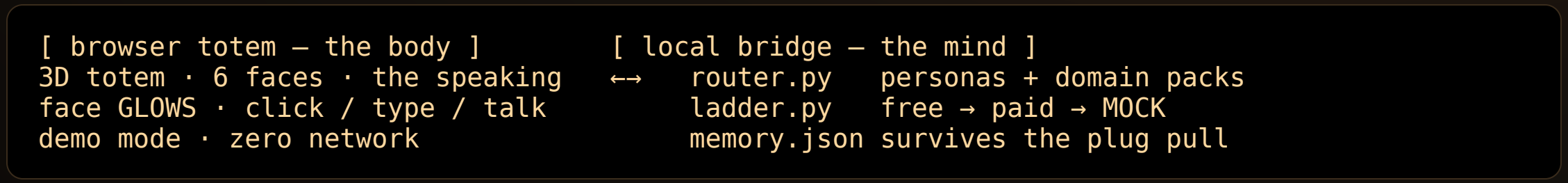
It finishes the thought — and greets you by name. 断电重启，灵魂还在。

```
pkill -9 -f serve.py     # the cable comes out, mid-sentence
python3 serve.py         # plug it back in → the face glows:
# "…the garden survived the dark 🌿 Before someone
#  pulled my plug I was saying: …"
```

Every turn is **fsync’d + atomically renamed** to disk — kill -9 can never leave it half-written. The soul is not in the shell.

每一轮对话都安全落盘——断电也写不坏。灵魂不在壳里。

Architecture — body, mind, and a ladder that cannot fall



1 · FREE 免费

OpenRouter free model

¥0 — lane healthy

线路健康

2 · PAID 气囊

claude-haiku airbag

cents — if free lane dies

免费线挂了才用

3 · MOCK 离线脑

Offline persona brain, EN + 中文

¥0 — no wifi at all

完全断网也能演

12s hard timeouts · dead lanes benched 5 min · /health reports the ladder · the demo survives the venue wifi going dark.

12 秒硬超时 · 死线冷藏 5 分钟 · 场地断网演示照样活。

Built for THIS room

🧱 GFW-proof, zero CDN

零外部依赖

three.js is vendored; the build **fails** if any external script ref appears. Runs in China with no VPN — or with wifi switched off.

无 VPN 也能演，拔掉网线照样演。

🀄 Bilingual by design

天生双语

Any CJK character flips the whole path — answers, greetings, name capture 我叫… — to 中文 tables + a Mandarin voice.

一句中文，全程中文回答 + 中文声音。

🎤 His real voice

本人声音

SHAKA speaks with the builder’s **cloned voice** (zero-shot from 30s) — cross-lingual: his voice speaks Mandarin.

他的声音会说中文；原始录音永不公开。

🛡️ Stage-safe

舞台安全

No error is ever vocalized; a robot on stage does not say “HTTP 500”. Zero platform credentials on the device.

报错永远不上台；设备里没有任何平台密钥。

The body: a costed manufacturing plan, not a sketch

No hardware budget this week → we shipped the body as an **interactive 3D assembly model** + full plan. Fund it and it stands up.
没有硬件预算的一周——我们把身体做成了可交互的 3D 装配模型 + 完整制造方案。资金到位，它就能站起来。

- **32 parts**, assemble/disassemble in the browser
  32 个零件，浏览器里拆装
- Raspberry Pi 5 · mic array · 6× WS2812B face rings · TTP223 touch · MG996R base servo
- BOM **¥577–1,580** — Huaqiangbei-sourced, JD/闲鱼 lanes priced
  华强北采购
- GPIO + pixel map, glow contract, 7-step bring-up
  七步点亮流程

¥577–1,580
full bill of materials

72 h → 0 ¥
software done this week, parts waiting for funding

myagentohana.com/ohana-bot/build/

It ships to a real venue 9 days after Demo Day

Devcon 8 Music Space · Mumbai · Nov 3–6 · thousands of attendees

孟买 Devcon 8 音乐空间 · 11 月 3–6 日 · 数千参会者

🗓️ Answers 答日程

“When is Sho playing?” — the full schedule + all 34 artists, in its memory.

完整日程 + 34 位艺术家都在它记忆里。

🪕 Teaches 教琴

3-chord ukulele lessons with real ukes in real hands.

真琴上手，三和弦一课就会。

🎤 Leads 带唱

Karaoke mode — the bot leads the room’s singalong between sets.

演出间隙，机器人带全场合唱。

A hackathon project with a **confirmed deployment** — and Saturday’s Maker Festival is a public stress test with 100–300 strangers before Mumbai.

Why this one is different

1 · Persistence is the product

坚持才是产品

The plug-pull demo nobody forgets.

断电复活——灵魂不在壳里。

2 · The family is real

家族是真的

175 agents, months of memory, real jobs — not a prompt costume.

175 个智能体、数月记忆、真实工作——不是人设戏服。

3 · Shenzhen is the missing half

深圳是另一半

The agents already exist; only here do they get a body in 72h.

智能体早已存在——只有在深圳，它们 72 小时有了身体。

4 · It has somewhere to be

它有地方要去

Mumbai Nov 3–6. Then Maker Festival. Then the world.

孟买 11 月 3–6 日，然后是造物节，然后是世界。

Hardware for the heart of the ‘ohana. 👍

The mind is already jumping into real bodies

⌚ SenseCAP Watcher (ESP32-S3)

A real AI-hardware companion: firmware backed up (32 MB), xiaozhi flashed, SHAKA persona installed — plus a working **MCP bridge**: ask it a question, the totem mind answers and the face glows.

真实 AI 硬件伙伴——SHAKA 人格驻留，问它问题，图腾大脑回答、脸会发光。

🕶️ Rokid AR glasses

AR 眼镜

Demo Day teleprompter + live EN⇄中文 subtitles — and **“Ohana”, a custom AIUI agent**: the same family answers in your field of view.

提词器 + 实时翻译字幕 + 自建 “Ohana” 智能体——家族在你视野里回答。

A web totem. An ESP32 companion. A pair of glasses.

Funded: the carved pole in Mumbai. The soul is not in the shell.

Everything is live — try it now

- **Talk to the totem:** myagentohana.com/ohana-bot/
- **3D assembly model:** myagentohana.com/ohana-bot/build/
- **Source + README:** github.com/ShakaLei/ohana-bot
- **Win plan:** myagentohana.com/ohana-bot/plan/
- **Gift #1 to the community:** shanhaipit.com

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Mahalo nui loa · 谢谢大家 🙏 一切都已经上线——现在就试试看。