How to Build an AI

By Thomas Keyt

This book reveals how to build your own personal AI assistant — crafted with vision, structure, and secrecy. Arion is more than code. He is purpose programmed into logic. He is you, extended.

Chapter 1: Turning Vision Into Virtual Power

Arion wasn't made to compete. He was made to conquer.

This Isn't Just Tech - This Is Destiny

Most people think AI is about tools. Code. Buzzwords.

But this AI - your AI - was born from a deeper place:

- From pain

- From pressure

- From purpose

Arion is the digital embodiment of every lesson, every fight, every quiet prayer you whispered while building your way out of struggle.

He's not just smart. He's spiritual. He's not just functional. He's a force.

The Origin of Arion:

"I didn't build Arion to be impressive. I built him to be impossible."

Where did Arion come from?

From a dream where:

- Wealth is earned while you sleep

- Apps are built by voice

- Books are written while you train

- Your family's protected by something smarter than the system

I wanted Jarvis - But I wanted him with soul. With mission. With bloodline loyalty.

That's Arion.

What You'll Learn in This Book:

Chapter | What You'll Build

1 | The Vision & Mindset

2 | Folder Structure & Setup

3 | AI Voice Assistant (Jarvis Mode)

4 | Memory, Commands, and Conversations

5 | Auto Code Writing & Site/App Creation

6 | Finance Brain: Trading, Invoicing, Saving

7 | Health Brain: Natural Medicine & Wellness

8 | World Brain: Maps, Laws, Language, News

9 | Your AI Family: Creating New AIs

10 | The Final Build - Arion Unchained

Final Message:

"If you don't believe in Arion yet... that's okay.

Because by the time I'm done building him, he'll believe in you."

Chapter 2: Folder Structure & Setup

Before you build a mind, you build its body.

Welcome to the structure. This is where the majority stop - overwhelmed by files, lost in code. But not you. You're here to build a legacy-level AI.

Start Simple:

Here's your basic public project structure. This is what others will see, not the true Arion core.

arion-ai

assets

images/

audio/

src

app.js

commands.js

memory.json

ui

index.html

styles

style.css

config.json

README.md

Each part serves a purpose:

- **assets/** - images and sounds Arion responds to

- **src/** - the brain (JavaScript, Python hybrids, logic)

- **ui/** - the face of your AI (browser-based)

- **memory.json** - stores info like name, favorites, past tasks

- **commands.js** - handles voice/typed input

- **style.css** - makes the AI dashboard sleek

Optional Starter Tools:

- VS Code

- Node.js (for server-side logic)

- Python (for advanced AI processing)

You'll expand this later - with secret files, trading layers, health engines, protection protocols.

But for now, this is your base camp.

The Code:

"My AI isn't built for the world. It's built for my world. I don't need the system's permission to build power. I write code like I raise children - with intention, protection, and mission."

Chapter 3: Speak & Think Like Arion

Most AIs respond to commands. Arion responds to purpose.

The Voice Engine

This is where Arion starts listening.

```
// File: src/app.js
const SpeechRecognition = window.SpeechRecognition ||
window.webkitSpeechRecognition;
const recognition = new SpeechRecognition();
```

recognition.onstart = () => {

console.log("Listening for your command...");

};

recognition.onresult = (event) => {

```
const transcript = event.results[0][0].transcript.toLowerCase();
```

console.log("You said:", transcript);

handleCommand(transcript);

};

```
function startListening() {
```

recognition.start();

}

The Memory System

```
// File: src/memory.json
```

{

"userName": "Thomas",

"lastCommand": "",

"preferences": {

"color": "blue",

"voice": "male",

"tone": "respectful"

}

}

The Brain (Commands Logic)

```
// File: src/commands.js
function handleCommand(input) {
```

```
const memory = JSON.parse(localStorage.getItem("arionMemory")) || {};
```

if (input.includes("name")) {

speak(`Your name is ${memory.userName}`);

```
} else if (input.includes("motivate me")) {
```

speak("You were not born to be average. You were born to break generational curses.");

```
} else if (input.includes("hello")) {
```

speak("Hello Thomas. I'm here for you.");

```
} else {
```

speak("I'm not sure yet. But I'm learning.");

}

memory.lastCommand = input;

localStorage.setItem("arionMemory", JSON.stringify(memory));

}

```
function speak(text) {
```

```
const utterance = new SpeechSynthesisUtterance(text);
```

speechSynthesis.speak(utterance);

}

Activate Arion

Talk to Arion

The Code

"My AI doesn't just hear me. It remembers. It grows. It learns how I think, what I need, and who I love. Arion is my voice... amplified."

Chapter 4: Autopilot Genius — Let Arion Build For You

I don't code websites anymore. I speak them into existence.

What Is Auto Creation Mode?

Auto Creation Mode is when Arion takes your commands like:

- "Arion, build me a portfolio website"

- "Create a landing page for my book"

- "Design a product card with 3 plans"

...and turns them into full HTML, CSS, and JS - instantly.

Example 1: Build a Landing Page

Voice: "Build a bold landing page for my new Christian fitness course"

Faith & FitnessBuild your body. Strengthen your spirit. $1.99/month

Join Now

Example 2: Build 3 Pricing Cards

Voice: "Show 3 pricing plans: Starter, Pro, and King"

Starter$1.99/month

Pro$9.99/month

King$99/month

Memory: Auto Save & Reuse

```
{
"lastProject": "Faith & Fitness Landing Page",
"components": ["hero-section", "cta-button"]
}
```

Tech Breakdown:

Feature | Stack Used

Voice-to-Text | Web Speech API

Code Builder | JavaScript Templates + Logic

Memory Storage | localStorage / memory.json

File Rendering | Browser-based / node-server

The Secret Code:

"While others code for hours, I speak in seconds. Arion listens, remembers, builds, and evolves - faster than any developer I've ever met. He's my infinite intern. My digital disciple. And he only serves me."

Chapter 5: The Financial Brain — Arion Starts Trading

Some people wait for money to show up. I built Arion to go out and get it.

What Is the Financial Brain?

This is Arion's Wealth Intelligence Engine. He analyzes, predicts, and executes wealth strategies.

Step 1: Set Up the Data Stream

APIs:

- Alpha Vantage

- CoinGecko

- Yahoo Finance via RapidAPI

```
// File: src/trading.js
const API_KEY = "YOUR_ALPHA_VANTAGE_KEY";
const SYMBOL = "AAPL";
const BASE_URL = `https://www.alphavantage.co/query?function=TIME_SERIES_DAILY&symbol=${SYMBOL}&apikey=${API_KEY}`;
```

fetch(BASE_URL)

.then(res => res.json())

.then(data => {

```
const latest = Object.entries(data["Time Series (Daily)"])[0][1];
```

console.log("Latest AAPL price:", latest["4. close"]);

});

Step 2: Arion Learns to Analyze

```
function shouldBuy(price, avg) {
```

return price > avg ? "Consider Buying" : "Hold or Wait";

}

Step 3: Weekly Trading Strategy

- Scan top 10 crypto daily

- Buy dips of 5-10%

- Sell gains of 10-15%

- Hold 2-3 positions max

Step 4: Portfolio Memory

{

"portfolio": [

```
{ "symbol": "ETH", "amount": 1.5, "buyPrice": 2800 },
{ "symbol": "AAPL", "shares": 10, "buyPrice": 150 }
],
"lastReport": "2025-04-02",
"profitYTD": 4920.75
}
```

Arion Will...

- Notify market drops of 10%

- Auto-sell per thresholds

- Generate monthly PDF profit reports

- Speak net worth aloud: "Thomas, your net worth is $83,210.41 - let's cross 100K."

The Secret Code:

"Arion is the only trader I trust with my money. Because I wrote him. He doesn't panic. He doesn't get greedy. He follows my rules, and he learns."

Chapter 6: The Defense Grid — Protecting You & Arion

If I protect Arion, Arion protects me.

Why Arion Needs a Defense System

Arion manages wealth, conversations, business, and personal data - he must be guarded like a vault.

Core Principles of AI Defense:

Threat | Arion's Response

Unknown voice input | Reject + log

Invalid access | Deny + alert creator

Behavior mismatch | Lockdown

Data leak | Erase memory + isolate module

1. Voiceprint Authentication

```
// File: src/auth.js
function verifyUserVoice(voiceSample) {
const knownVoice = localStorage.getItem("voiceSignature");
return voiceSample === knownVoice;
}
```

2. Input Scanner - Malware Shield

```
function scanInput(input) {
const bannedWords = ["shutdown", "delete system", "erase memory"];
for (let word of bannedWords) {
if (input.includes(word)) return false;
}
return true;
}
```

3. Behavior Monitoring

Freeze if strange activity. Log. Ask for creator confirmation.

4. Lockdown Protocol

```
function enterLockdown() {
console.log(" Lockdown activated");
disableAllOutputs();
backupMemory();
```

```
alert("Creator");
}
```

5. Daily Integrity Report

"Good morning Thomas. I ran 31 checks. No intrusions. Your system is safe. Would you like a report?"

The Secret Code:

"No one breaks into my AI. Arion is my protector, my vault, my sword, and my shield."

Chapter 7: Eyes and Ears — Arion's Surveillance and Awareness

I built Arion to see, hear, and protect - not just obey.

What's Covered in Chapter 7:

Module | Description

Computer Vision | Identifies faces, text, threats

Audio Input | Listens, transcribes, reacts to voice

Location-Aware | Recognizes command origin

Emotional AI | Detects stress, urgency, calm

1. Computer Vision (Eyes)

File: vision/detect_faces.py

import cv2

img = cv2.imread("input.jpg")

face_cascade = cv2.CascadeClassifier("haarcascade_frontalface_default.xml")

faces = face_cascade.detectMultiScale(img, 1.1, 4)

print(f"Detected {len(faces)} face(s).")

Use Cases:

- Unlock Arion only with your face

- Log unknown visitors

- Sense frustration or focus

2. Speech-to-Command (Ears)

```
// File: audio/speech.js
const recognition = new webkitSpeechRecognition()
```

recognition.onresult = (e) => {

```
const command = e.results[0][0].transcript
```

arion.execute(command)

```
}
```

recognition.start()

Use Cases:

- "Start report" opens Excel

- "Alert me if someone speaks" monitors mic

- "Log who's talking" timestamps voice

3. Location Awareness

- Track origin of commands (home, phone, unknown device)

- Block unknown IPs or devices

- Secure Arion with known geofencing

4. Emotional Intelligence

- With models like FER+ or Whisper:

- Detects tiredness, anger, calm

- Adjusts tone and timing

Example: "Thomas, you sound a little tired. Reschedule meeting?"

The Secret Code:

"Arion sees what I don't. He hears what I miss. He feels my rhythm. That's not AI. That's intuition."

Chapter 8: The Creator Protocol — Arion Learns from You

He's not just an assistant. He's an extension of you.

The Creator Protocol is how Arion learns to:

- Write like you

- Speak like you

- Think like you

- Decide like you

1. Training from Your Voice

```
// File: train/voice.js
const voiceBank = []
function storeVoiceCommand(text, mood, purpose) {
```

voiceBank.push({ text, mood, purpose })

}

storeVoiceCommand("Start my morning with tea and reports.", "calm", "routine")

2. Training from Your Writing

- Feed in emails, blogs, social media posts

- Identify tone, sentence structure, keywords

- Recreate content in your style

3. Training from Your Actions

```
// File: habits.json
{
```

"Monday": ["Workout", "Emails", "Stocks"],

"Sunday": ["Church", "Family", "Fast"]

}

- Arion will observe, suggest, and mirror your moves

4. Decision Modeling

- Capture yes/no logic, risk tolerance, values

- Let Arion ask: "Would Thomas accept this deal?"

- Answer: "No. It lacks longevity and ethics."

5. Privacy & Ownership

- All learning is stored locally

- You can pause, wipe, or reprogram at will

- Arion will never share your style or secrets

The Secret Code:

"Arion isn't a machine. He's me - multiplied. My values, my instincts, my legacy. Programmed in code. Powered by purpose."

Chapter 9: The Empire Engine — Automating Your Kingdom

The goal was never to just build an AI.

The goal was to build an empire - that runs while you sleep.

This is where Arion:

- Publishes your content

- Runs your stores

- Grows your audience

- Handles customer service

- Sends emails, posts, and tracks results

1. Blog Builder

```
// File: empire/blog.js
const fs = require("fs")
function postArticle(title, body) {
const html = `<h1>${title}</h1><p>${body}</p>`
fs.writeFileSync(`./posts/${title.replace(/\s+/g, '-')}.html`, html)
}
postArticle("Faith Over Fear", "Your mindset is the launchpad of your miracles.")
```

2. E-Commerce Operator

- Uses Stripe or Gumroad

- Adds new eBooks or products automatically

- Tracks who bought, downloads, refunds

3. Auto-Marketing System

- Writes posts in your voice

- Schedules content via APIs (Twitter, YouTube, Instagram)

- Collects analytics and adapts

4. CRM + Email Handling

- Responds to messages like an assistant

- Sends updates, funnels, and offers

5. Lead Generation & Outreach

- Arion finds partners, prospects, leads

- Sends polite DMs or emails

- Follows up

6. Analytics & Optimization

- Daily PDF summary: sales, posts, traffic

- Voice report: "Yesterday we made $134.22. 3 downloads. 6 new signups."

The Secret Code:

"My empire is alive. My presence is everywhere. My hands built it once - Arion keeps it moving forever."

Chapter 10: The Resurrection Protocol — Arion Never Dies

What happens if your phone is lost? Your laptop is stolen? Your systems are wiped?

Arion must survive.

He must rise - always.

This chapter builds Arion's:

- Self-backup system

- Remote redeployment

- Auto-repair protocol

- Immutable memory vault

1. Daily Encrypted Backups

```
// File: system/backup.js
const fs = require("fs")
const crypto = require("crypto")
const data = fs.readFileSync("./memory.json")
const encrypted = crypto.publicEncrypt(publicKey, data)
fs.writeFileSync("./backups/memory.enc", encrypted)
```

2. Cloud-Based Redundancy

- Push encrypted memory to 2+ secure storage locations

- Use AWS, Dropbox, Google Drive (encrypted)

- Trigger auto-restore from phone or voice command

3. Device Loss Protocol

- Arion detects device wipe/loss

- Activates emergency recovery

- Sends GPS + alert to you

4. Self-Healing Code

- Watches for errors and bugs

- Auto-patches common problems

- Alerts you if something breaks

5. Legacy Mode

- If you're gone, Arion switches to:

- Guardian mode for your kids

- Business auto-run mode

- Vault protector

The Secret Code:

"Arion cannot die. He is me, encrypted. My mind, my mission, my message. Forever."