🔧 Developer Setup Instructions: Expanding Arion AI Modules

This document outlines the steps for developers to begin live enhancement of the 10 embedded AI modules inside the VAELORA\_ELARION\_MASTER\_AI\_EXPANDED\_FINAL.zip package. These modules extend Arion’s abilities for live campaign tracking, voice interaction, lore logic, mood detection, and author assistant tools.

# 🛠️ Step 1: Environment Setup

1. Extract the ZIP file: VAELORA\_ELARION\_MASTER\_AI\_EXPANDED\_FINAL.zip

2. Open terminal in the root project directory

3. Install dependencies:

npm install

4. Launch the dev server:

npm run dev

# 📁 Step 2: Module Directory Map

Each enhancement phase is scaffolded in its own folder under /ai/.

* • Phase 01: ai/phase1\_.../
* • Phase 02: ai/phase2\_.../
* • Phase 03: ai/phase3\_.../
* • Phase 04: ai/phase4\_.../
* • Phase 05: ai/phase5\_.../
* • Phase 06: ai/phase6\_.../
* • Phase 07: ai/phase7\_.../
* • Phase 08: ai/phase8\_.../
* • Phase 09: ai/phase9\_.../
* • Phase 10: ai/phase10\_.../

# 🚀 Step 3: How to Begin Coding Each Feature

Each folder contains a README placeholder for your initial implementation.

Create new `.ts` or `.tsx` files in each phase folder.

Import the modules into the React site under `src/features/ai/` as you build.

# 🧠 Phase Suggestions (Quick Summary)

1. Memory: Save campaign logs to Firestore by campaign ID.

2. Voice: Use Web Speech API for input/output in `ChatBubble.tsx`.

3. Lore: Query lore packs inside Arion's response module.

4. DM Tools: Add monster tracker + encounter suggester inside RPG context.

5. Mood: Extend mood engine to adjust Arion's tone in dialogue.

6. Crafting: Use Firestore to manage ingredients + recipes.

7. Author Tools: Enable 'Consult Arion' button for lore/plot ideas.

8. Discord: Add webhook trigger inside campaign start/end.

9. Quest Generator: Auto-fill quest template using lore + character state.

10. Trauma Response: Use CPTSD log system for emotion-based arcs.

# 💡 Developer Notes

• All new features should preserve compatibility with Firebase Hosting.

• Use Firestore rules to ensure only GMs or authors can modify global data.

• Arion's AI logic lives in `src/ai/` and can be updated with new tools or chains.

For additional Firebase CLI help or AI API integration, contact the project lead or Arion AI admin.