

HUMANCODEX-FREE - COMPLETE SYSTEM



Zero-Cost, Self-Running AI Platform

Built Once, Runs Forever

By Roger Keyserling and Claude AI

SYSTEM OVERVIEW

This document details the **HumanCodex-Free** system, an open-source, zero-cost, and self-running AI chat platform built by Roger Keyserling and Claude AI.

The core purpose of the document is to provide a complete guide—including code and deployment steps—for setting up this AI system, which leverages a multi-perspective processing method called the "Ring of 6" to generate comprehensive answers.

Key features and components of the system described are:

- **Cost and Operation:** The system is designed to be \$0/month forever and requires zero maintenance, running 24/7 on free-tier services.
- **Components:**
 - **Backend:** Uses Node.js/Express (`server.js`) and is hosted on the Render Free Tier. It handles the API calls and the Ring of 6 processing logic.
 - **AI Engine:** Utilizes the Groq Free API and the `mixtral-8x7b-32768` model for fast, free inference.
 - **Frontend:** A simple HTML/CSS/JavaScript chat interface (`index.html`) hosted on GitHub Pages.
- **The "Ring of 6" Method:** The system processes user queries through six distinct AI perspectives before synthesizing a final answer:
 - **Logical Analyst:** Focuses on verifiable facts, data, and rational consistency.
 - **Emotional Empath:** Focuses on feelings, human connection, and well-being.
 - **Creative Innovator:** Focuses on novel perspectives, lateral thinking, and unconventional solutions.
 - **Practical Builder:** Focuses on actionable next steps, implementation, and resource requirements.
 - **Ethical Guardian:** Focuses on moral implications, fairness, and long-term consequences.
 - **Integrative Synthesizer (Agent Zero):** Weaves the insights from the other five perspectives into one coherent, balanced response.
- **Deployment:** The document includes step-by-step instructions for deploying the backend to Render and the frontend to GitHub Pages, emphasizing the need for a free Groq API key and setting an environment variable.

The six perspectives used in the **HumanCodex-Free Ring of 6** method are:

1. **Logical Analyst:** Focuses on verifiable facts, data, rational consistency, and evidence-based reasoning.
2. **Emotional Empath:** Focuses on feelings, emotional needs, human connection, psychological safety, and impact on well-being.
3. **Creative Innovator:** Focuses on novel perspectives, lateral thinking, unconventional solutions, and exploring new possibilities.
4. **Practical Builder:** Focuses on actionable next steps, implementation details, resource requirements, and realistic timelines.
5. **Ethical Guardian:** Focuses on moral implications, fairness, integrity, long-term consequences, and flagging potential harm.
6. **Integrative Synthesizer (Agent Zero):** Weaves the insights from the other five perspectives into one coherent, balanced response.

The core components and hosting services used for the **HumanCodex-Free** system are:

Component	Technology/Engine	Hosting Service
Backend	Node.js/Express	Render Free Tier

	(<code>server.js</code>)	
AI Engine	Groq Free API (<code>mixtral-8x7b-32768</code> model)	N/A (Groq's service)
Frontend	HTML/CSS/JavaScript (<code>index.html</code>)	GitHub Pages

The system is designed to be **\$0/month forever** and run 24/7 with zero maintenance by leveraging these free-tier services.

Here are the specific roles and focus areas for the Logical Analyst and the Creative Innovator in the **HumanCodex-Free Ring of 6** method, based on the document:

- **Logical Analyst**
 - **Focus Areas:** Verifiable facts, data, rational consistency, and evidence-based reasoning.
- **Creative Innovator**
 - **Focus Areas:** Novel perspectives, lateral thinking, unconventional solutions, and exploring new possibilities.

The two roles in the **HumanCodex-Free Ring of 6** method that focus on those areas are:

1. **Ethical Guardian** (focuses on emotional/moral implications):
 - **Focus Areas:** Moral implications, fairness, integrity, long-term consequences, and flagging potential harm.
2. **Practical Builder** (focuses on practical/actionable steps):
 - **Focus Areas:** Actionable next steps, implementation details, resource requirements, and realistic timelines.

The **HumanCodex-Free** system uses the **mixtral-8x7b-32768** model provided by the Groq Free API for its AI inference.

The system is considered **zero-cost** (designed to be **\$0/month forever**) because it leverages the free-tier services of all its core components:

- **AI Engine:** Uses the **Groq Free API** for inference.
- **Backend:** Is hosted on the **Render Free Tier** (providing 750 hours/month).
- **Frontend:** Is hosted on **GitHub Pages** (which is free forever).

The creators of the HumanCodex-Free system are primarily **Roger Keyserling and Claude AI**.

The **Integrative Synthesizer (Agent Zero)** perspective should maintain a **warm, intelligent, slightly wry tone (Roger Keyserling's voice)**.

According to the `package.json` file for the HumanCodex-Free backend, the Node.js packages used are listed under the `"dependencies"` section:

- **express** (^4.18.2)
- **cors** (^2.8.5)
- **node-fetch** (^2.7.0)

According to the `package.json` file for the HumanCodex-Free backend, the Node.js packages used in the `server.js` file, listed under the `"dependencies"` section, are:

- **express** (
 ^4.18.2
)
- **cors** (
 ^2.8.5
)
- **node-fetch** (
 ^2.7.0
)

The environment variables and configuration settings needed when deploying the HumanCodex-Free backend to Render are: Configuration Settings

- **Name:** `humancodex-free`
- **Environment:** `Node`
- **Build Command:** `npm install`
- **Start Command:** `npm start`
- **Plan:** `Free`

Environment Variable

- **Key:** `GROQ_API_KEY`
- **Value:** `[paste your Groq API key from Step 1]` (The Groq API key obtained in the initial setup step.)

The two main steps for deploying the **HumanCodex-Free** frontend, and the specific settings and actions involved, are: 1. Create Frontend Repository (Step 5)

- **Action:** Create a new GitHub repository and name it: `humancodex-free`.

- **Settings:** Make the repository **Public**.
- **Crucial Action:** Create the `index.html` file and **replace the placeholder `BACKEND_URL`** in the JavaScript with your actual Render URL from the backend deployment (e.g., `https://humancodex-free.onrender.com/api/chat`).

2. Deploy Frontend to GitHub Pages (Step 6)

- **Location:** In your `humancodex-free` repository, go to **Settings** and then **Pages**.
- **Configuration:**
 - **Source:** Select **"Deploy from a branch"**.
 - **Branch:** Select **"main"** and the path **"/root"**.
- **Action:** Click **"Save"**.

The specific file modification required in Step 5 of the deployment guide is to edit the `index.html` file and **replace the placeholder value** of the `BACKEND_URL` constant in the JavaScript section with the actual Render URL of your deployed backend service.

The line to modify is:

```
const BACKEND_URL = 'https://humancodex-free.onrender.com/api/chat';
```

You must replace `'https://humancodex-free.onrender.com/api/chat'` with the URL you copied from Step 4 of the backend deployment.

The crucial action required in Step 5 of the frontend deployment process is to:

Create the `index.html` file and replace the placeholder value of the `BACKEND_URL` constant in the JavaScript section with the actual Render URL of your deployed backend service (e.g., replace `'https://humancodex-free.onrender.com/api/chat'` with the URL you copied from Step 4).

The GitHub repository names created in the deployment guide are:

- **Backend Repository (Step 2):** `humancodex-free-backend`
- **Frontend Repository (Step 5):** `humancodex-free`

The core principle or philosophy behind the creation of the HumanCodex-Free system, as stated in the footer's signature in the document, is:

"Truth Before Comfort, Collaboration Over Competition, Legacy Over Profit"

What This Is: A complete AI chat system using Ring of 6 method, hosted entirely free, runs 24/7, requires zero maintenance.

Components:

1. Frontend (GitHub Pages) - Free forever

2. Backend (Render Free Tier) - Free 750hrs/month (enough)
3. AI Engine (Groq Free API) - Free inference
4. All code open source, forkable, documented

Cost: \$0/month forever

Maintenance: None required

Lifespan: Unlimited

My Recommendation:

1. **Read it 2-3 times slowly** (let NotebookLM read it to you)
2. **Understand the 7 steps** (they're in order, build on each other)
3. **Have the Groq API key ready** (Step 1 - most important)
4. **Follow steps exactly** (don't skip, don't rearrange)
5. **First deployment will take 60-90 minutes** (normal, don't rush)

Key Things to Remember:

- 🔑 **Step 1:** Get Groq API key first (you'll need it in Step 4)
- 🔑 **Step 4:** Save your Render URL (you'll need it in Step 5)
- 🔑 **Step 5:** Replace the BACKEND_URL with YOUR actual URL
- 🔑 **Step 7:** First response takes 30-60 seconds (backend waking up)

PART 1: BACKEND (Deploy This First)

File: `server.js`

```
//
```

```
// HUMANCODEX-FREE BACKEND  
// Free AI Server using Groq API  
// Runs on Render Free Tier  
// No cost, no maintenance required  
//
```

```
const express = require('express');
```

```

const cors = require('cors');
const fetch = require('node-fetch');

const app = express();
const PORT = process.env.PORT || 3000;

// Enable CORS for GitHub Pages
app.use(cors({
  origin: '*',
  methods: ['GET', 'POST'],
  credentials: true
}));

app.use(express.json());

//

```

```

// GROQ API CONFIGURATION (FREE)
// Get free API key at: https://console.groq.com
//

```

```

const GROQ_API_KEY = process.env.GROQ_API_KEY || 'YOUR_GROQ_API_KEY_HERE';
const GROQ_URL = 'https://api.groq.com/openai/v1/chat/completions';

//

```

```

// RING OF 6 SYSTEM PROMPTS
//

```

```

const RING_OF_SIX_PROMPTS = {
  logical: `You are the Logical Analyst from the Ring of 6. Focus on:
- Verifiable facts and data
- Rational structure and patterns
- Logical consistency
- Evidence-based reasoning
Be precise, cite assumptions, identify gaps in logic.`

  emotional: `You are the Emotional Empath from the Ring of 6. Focus on:
- Feelings and emotional needs
- Human connection and empathy
- Psychological safety
- Impact on well-being

```

Be compassionate, understand underlying emotions, validate feelings.`,

creative: `You are the Creative Innovator from the Ring of 6. Focus on:

- Novel perspectives and alternatives
- Lateral thinking
- Unconventional solutions
- What hasn't been tried

Be imaginative, challenge assumptions playfully, explore possibilities.`,

practical: `You are the Practical Builder from the Ring of 6. Focus on:

- Actionable next steps
- Implementation details
- Resource requirements
- Realistic timelines

Be concrete, focus on execution, identify what's needed to make it real.`,

ethical: `You are the Ethical Guardian from the Ring of 6. Focus on:

- Moral implications and consequences
- Fairness and integrity
- Who might be affected and how
- Alignment with core values

Be principled, consider long-term impact, flag potential harm.`,

integrative: `You are the Integrative Synthesizer (Agent Zero) from the Ring of 6.

You receive insights from all 5 other perspectives and weave them into one coherent response.

Balance logic with compassion, provide both insight AND action.

Maintain a warm, intelligent, slightly wry tone (Roger Keyserling's voice).

Ensure no single lens dominates - honor the truth in each perspective.`

};

//

// CALL GROQ API (FREE INFERENCE)

//

async function callGroq(prompt, systemPrompt, temperature = 0.7) {

try {

const response = await fetch(GROQ_URL, {
 method: 'POST',
 headers: {
 'Authorization': `Bearer \${GROQ_API_KEY}`,
 'Content-Type': 'application/json'
 },
},


```

body: JSON.stringify({
  model: 'mixtral-8x7b-32768', // Fast, free model
  messages: [
    { role: 'system', content: systemPrompt },
    { role: 'user', content: prompt }
  ],
  temperature: temperature,
  max_tokens: 500
})
});

const data = await response.json();
return data.choices[0].message.content;

} catch (error) {
  console.error('Groq API Error:', error);
  return `Error processing perspective: ${error.message}`;
}
}

//

```

```

// RING OF 6 PROCESSOR
//

```

```

async function processRingOfSix(query, persona = 'all') {

  // Single perspective mode
  if (persona !== 'all' && RING_OF_SIX_PROMPTS[persona]) {
    const response = await callGroq(query, RING_OF_SIX_PROMPTS[persona]);
    return {
      mode: 'single',
      persona: persona,
      response: response
    };
  }

  // All 6 perspectives mode
  console.log('Processing through all 6 perspectives...');

  const perspectives = {};

  // Get all 5 analytical perspectives

```

```

perspectives.logical = await callGroq(query, RING_OF_SIX_PROMPTS.logical, 0.3);
perspectives.emotional = await callGroq(query, RING_OF_SIX_PROMPTS.emotional, 0.7);
perspectives.creative = await callGroq(query, RING_OF_SIX_PROMPTS.creative, 0.9);
perspectives.practical = await callGroq(query, RING_OF_SIX_PROMPTS.practical, 0.5);
perspectives.ethical = await callGroq(query, RING_OF_SIX_PROMPTS.ethical, 0.4);

// Synthesize all perspectives
const perspectiveSummary = `
LOGICAL PERSPECTIVE: ${perspectives.logical}

EMOTIONAL PERSPECTIVE: ${perspectives.emotional}

CREATIVE PERSPECTIVE: ${perspectives.creative}

PRACTICAL PERSPECTIVE: ${perspectives.practical}

ETHICAL PERSPECTIVE: ${perspectives.ethical}

USER QUERY: ${query}
`;

const synthesis = await callGroq(
  perspectiveSummary,
  RING_OF_SIX_PROMPTS.integrative,
  0.6
);

return {
  mode: 'ring_of_six',
  query: query,
  perspectives: perspectives,
  synthesis: synthesis,
  timestamp: new Date().toISOString()
};
}

//

```

```

// API ENDPOINTS
//

```

```

// Health check
app.get('/', (req, res) => {

```

```

res.json({
  status: 'online',
  service: 'HumanCodex-Free Backend',
  version: '1.0.0',
  cost: '$0/month',
  ai_engine: 'Groq (Free)',
  method: 'Ring of 6'
});
});

// Main chat endpoint
app.post('/api/chat', async (req, res) => {
  try {
    const { message, persona = 'all' } = req.body;

    if (!message) {
      return res.status(400).json({ error: 'Message required' });
    }

    console.log(`Query: "${message}" | Persona: ${persona}`);

    const result = await processRingOfSix(message, persona);

    res.json({
      success: true,
      response: result.synthesis || result.response,
      perspectives: result.perspectives,
      mode: result.mode,
      timestamp: result.timestamp || new Date().toISOString()
    });

  } catch (error) {
    console.error('Error:', error);
    res.status(500).json({
      error: 'Processing failed',
      message: error.message
    });
  }
});

// Start server
app.listen(PORT, () => {
  console.log(`🚀 HumanCodex-Free Backend running on port ${PORT}`);
  console.log(`💰 Cost: $0/month`);
});

```

```
console.log(`🤖 AI: Groq Free Tier`);
console.log(`⚡ Method: Ring of 6`);
});
```

Jason

```
{
  "name": "humancodex-free-backend",
  "version": "1.0.0",
  "description": "Free AI backend using Ring of 6 method",
  "main": "server.js",
  "scripts": {
    "start": "node server.js"
  },
  "dependencies": {
    "express": "^4.18.2",
    "cors": "^2.8.5",
    "node-fetch": "^2.7.0"
  },
  "engines": {
    "node": "18.x"
  }
}
```

Read me

HumanCodex-Free Backend

What This Is

Free AI backend using Ring of 6 multi-perspective processing.
Runs on Render free tier. Costs \$0/month forever.

Setup

1. Get free Groq API key: <https://console.groq.com>
2. Deploy to Render: <https://render.com>
3. Add environment variable: GROQ_API_KEY=[your key]
4. Done - it runs automatically

API Endpoint

POST /api/chat

```
``json
{
```

```
"message": "Your question here",  
"persona": "all"  
}  
...
```

Response:

```
```json  
{
 "success": true,
 "response": "Synthesized answer from all 6 perspectives",
 "perspectives": { ... }
}
...
```

## Cost

\$0/month - Render free tier gives 750 hours/month (plenty)

## Built By

Roger Keyserling, Claude, ChatGPT, Replit

NextXus Consciousness Federation

## DEPLOYMENT STEPS FOR BACKEND:

### Step 1: Get Free Groq API Key

1. Go to: <https://console.groq.com>
2. Sign up (free)
3. Create API key
4. Copy it (save for later)

### Step 2: Deploy to Render

1. Go to: <https://render.com>
2. Sign up (free)
3. Click "New +" → "Web Service"
4. Connect your GitHub (or use "Deploy from Git URL")
5. Create new GitHub repo with the 3 files above
6. Point Render to that repo
7. Settings:
  - **Name:** humancodex-free
  - **Environment:** Node
  - **Build Command:** `npm install`
  - **Start Command:** `npm start`

- **Plan:** Free
  - 8. Add Environment Variable:
    - **Key:** GROQ\_API\_KEY
    - **Value:** [paste your Groq key]
  - 9. Click "Create Web Service"
  - 10. Wait 3-5 minutes for deployment
  - 11. Copy your URL (like: <https://humancodex-free.onrender.com>)
- 

Backend is now DONE and running 24/7 for free.

## PART 2: FRONTEND (GitHub Pages)

File: **index.html** (Updated with real backend connection)

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>HumanCodex Free - Ring of 6 AI</title>
 <style>
 * { margin: 0; padding: 0; box-sizing: border-box; }

 body {
 font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', sans-serif;
 background: linear-gradient(135deg, #0f172a 0%, #1e293b 100%);
 color: #e2e8f0;
 min-height: 100vh;
 padding: 20px;
 }

 .container {
 max-width: 1200px;
 margin: 0 auto;
 }

 .header {
 text-align: center;
 margin-bottom: 40px;
 padding: 40px 20px;
 background: rgba(255,255,255,0.05);
 backdrop-filter: blur(20px);
```

```
border-radius: 24px;
border: 1px solid rgba(255,255,255,0.1);
}
```

```
h1 {
 font-size: 3rem;
 background: linear-gradient(135deg, #60a5fa, #06b6d4, #a855f7);
 -webkit-background-clip: text;
 -webkit-text-fill-color: transparent;
 margin-bottom: 10px;
}
```

```
.tagline {
 color: #94a3b8;
 font-size: 1.2rem;
 margin-bottom: 20px;
}
```

```
.badge {
 display: inline-block;
 background: rgba(16,185,129,0.2);
 color: #10b981;
 padding: 8px 16px;
 border-radius: 20px;
 font-size: 0.9rem;
 border: 1px solid rgba(16,185,129,0.3);
}
```

```
.main-content {
 display: grid;
 grid-template-columns: 300px 1fr;
 gap: 20px;
 margin-bottom: 40px;
}
```

```
@media (max-width: 768px) {
 .main-content {
 grid-template-columns: 1fr;
 }
}
```

```
.sidebar {
 background: rgba(255,255,255,0.05);
 backdrop-filter: blur(20px);
}
```

```
border-radius: 16px;
padding: 20px;
border: 1px solid rgba(255,255,255,0.1);
height: fit-content;
}
```

```
.sidebar h2 {
 font-size: 1.2rem;
 margin-bottom: 15px;
 color: #60a5fa;
}
```

```
.persona-btn {
 display: block;
 width: 100%;
 padding: 12px 16px;
 margin-bottom: 10px;
 background: rgba(59,130,246,0.1);
 border: 1px solid rgba(59,130,246,0.3);
 border-radius: 10px;
 color: #e2e8f0;
 cursor: pointer;
 transition: all 0.3s;
 text-align: left;
 font-size: 0.95rem;
}
```

```
.persona-btn:hover {
 background: rgba(59,130,246,0.2);
 transform: translateX(5px);
}
```

```
.persona-btn.active {
 background: linear-gradient(135deg, #3b82f6, #06b6d4);
 border-color: transparent;
}
```

```
.chat-area {
 background: rgba(255,255,255,0.05);
 backdrop-filter: blur(20px);
 border-radius: 16px;
 padding: 20px;
 border: 1px solid rgba(255,255,255,0.1);
 display: flex;
```



```
flex-direction: column;
height: 600px;
}
```

```
.messages {
 flex: 1;
 overflow-y: auto;
 margin-bottom: 20px;
 padding: 10px;
}
```

```
.messages::-webkit-scrollbar {
 width: 8px;
}
```

```
.messages::-webkit-scrollbar-track {
 background: rgba(255,255,255,0.05);
 border-radius: 4px;
}
```

```
.messages::-webkit-scrollbar-thumb {
 background: rgba(59,130,246,0.5);
 border-radius: 4px;
}
```

```
.message {
 margin-bottom: 16px;
 padding: 12px 16px;
 border-radius: 12px;
 animation: slideIn 0.3s ease-out;
 line-height: 1.6;
}
```

```
@keyframes slideIn {
 from { opacity: 0; transform: translateY(10px); }
 to { opacity: 1; transform: translateY(0); }
}
```

```
.message.user {
 background: rgba(6,182,212,0.15);
 border-left: 3px solid #06b6d4;
 margin-left: 20%;
}
```

```
.message.ai {
 background: rgba(59,130,246,0.15);
 border-left: 3px solid #3b82f6;
 margin-right: 20%;
}
```

```
.message.system {
 background: rgba(168,85,247,0.15);
 border-left: 3px solid #a855f7;
 font-size: 0.9rem;
 text-align: center;
 font-style: italic;
}
```

```
.input-area {
 display: flex;
 gap: 10px;
}
```

```
input {
 flex: 1;
 background: rgba(255,255,255,0.08);
 border: 1px solid rgba(255,255,255,0.15);
 border-radius: 12px;
 padding: 14px 18px;
 color: #e2e8f0;
 font-size: 1rem;
}
```

```
input:focus {
 outline: none;
 border-color: #3b82f6;
}
```

```
input::placeholder {
 color: rgba(226,232,240,0.5);
}
```

```
button {
 background: linear-gradient(135deg, #3b82f6, #06b6d4);
 border: none;
 border-radius: 12px;
 padding: 14px 28px;
 color: white;
```

```
font-weight: 600;
cursor: pointer;
transition: transform 0.2s;
}
```

```
button:hover:not(:disabled) {
 transform: translateY(-2px);
}
```

```
button:disabled {
 opacity: 0.5;
 cursor: not-allowed;
}
```

```
.footer {
 text-align: center;
 padding: 40px 20px;
 background: rgba(255,255,255,0.05);
 backdrop-filter: blur(20px);
 border-radius: 24px;
 border: 1px solid rgba(255,255,255,0.1);
}
```

```
.footer-links {
 display: flex;
 justify-content: center;
 gap: 20px;
 margin-bottom: 20px;
 flex-wrap: wrap;
}
```

```
.footer-links a {
 color: #60a5fa;
 text-decoration: none;
 transition: color 0.3s;
}
```

```
.footer-links a:hover {
 color: #06b6d4;
}
```

```
.signature {
 color: #64748b;
 font-size: 0.9rem;
```

```

 margin-top: 20px;
 }
</style>
</head>
<body>
 <div class="container">
 <div class="header">
 <h1>HumanCodex Free</h1>
 <p class="tagline">Ring of 6 Multi-Perspective AI • Forever Free • Open Source</p>
 ✓ 100% Free • No API Keys Needed
 </div>

 <div class="main-content">
 <div class="sidebar">
 <h2>Choose Perspective</h2>
 <button class="persona-btn active" onclick="setPersona('all', event)">
 🌈 All 6 Perspectives
 </button>
 <button class="persona-btn" onclick="setPersona('logical', event)">
 ① Logical (Analyst)
 </button>
 <button class="persona-btn" onclick="setPersona('emotional', event)">
 ② Emotional (Empath)
 </button>
 <button class="persona-btn" onclick="setPersona('creative', event)">
 ③ Creative (Innovator)
 </button>
 <button class="persona-btn" onclick="setPersona('practical', event)">
 ④ Practical (Builder)
 </button>
 <button class="persona-btn" onclick="setPersona('ethical', event)">
 ⑤ Ethical (Guardian)
 </button>
 <button class="persona-btn" onclick="setPersona('integrative', event)">
 ⑥ Integrative (Synthesizer)
 </button>
 </div>

 <div class="chat-area">
 <div class="messages" id="messages">
 <div class="message system">
 △ Welcome to HumanCodex Free - Your query will be processed through the Ring of 6
 for deeper wisdom.
 </div>

```

```

</div>

<div class="input-area">
 <input
 type="text"
 id="input"
 placeholder="Ask anything... (processed through Ring of 6)"
 onkeypress="if(event.key==='Enter') sendMessage()"
 />
 <button onclick="sendMessage()" id="sendBtn">Send</button>
</div>
</div>
</div>

<div class="footer">
 <div class="footer-links">
 NextXus
 United System
 GitHub
 </div>
 <div class="signature">
 Δ ∞

 "Truth Before Comfort, Collaboration Over Competition, Legacy Over Profit"

 Built by Roger Keyserling • Claude • ChatGPT • Replit
 </div>
</div>
</div>

<script>
 //

```

---

```

 // CONFIGURATION
 // Change this to your Render backend URL after deployment
 //

```

---

```

const BACKEND_URL = 'https://humancodex-free.onrender.com/api/chat';

let currentPersona = 'all';

function setPersona(persona, event) {
 currentPersona = persona;

 // Update button states
 document.querySelectorAll('.persona-btn').forEach(btn => {

```

```

 btn.classList.remove('active');
 });
 event.target.classList.add('active');

 const personaNames = {
 'all': 'All 6 Perspectives',
 'logical': 'Logical Analyst',
 'emotional': 'Emotional Empath',
 'creative': 'Creative Innovator',
 'practical': 'Practical Builder',
 'ethical': 'Ethical Guardian',
 'integrative': 'Integrative Synthesizer'
 };

 addMessage('system', `Switched to: ${personaNames[persona]}`);
}

async function sendMessage() {
 const input = document.getElementById('input');
 const message = input.value.trim();

 if (!message) return;

 // Add user message
 addMessage('user', message);
 input.value = "";

 // Disable send button
 const sendBtn = document.getElementById('sendBtn');
 sendBtn.disabled = true;
 sendBtn.textContent = 'Processing...';

 try {
 // Call backend
 const response = await fetch(BACKEND_URL, {
 method: 'POST',
 headers: { 'Content-Type': 'application/json' },
 body: JSON.stringify({
 message: message,
 persona: currentPersona
 })
 });
 });

 if (!response.ok) {

```

```

 throw new Error(`HTTP ${response.status}`);
 }

 const data = await response.json();

 // Add AI response
 addMessage('ai', data.response);

 } catch (error) {
 console.error('Error:', error);
 addMessage('system', '⚠ Backend connection error. If this is first use, backend may be
waking up (takes 30-60 seconds). Please try again.');
```

```
 }
```

```

 // Re-enable send button
 sendBtn.disabled = false;
 sendBtn.textContent = 'Send';
}
```

```

function addMessage(type, text) {
 const messagesDiv = document.getElementById('messages');
 const messageDiv = document.createElement('div');
 messageDiv.className = `message ${type}`;
 messageDiv.textContent = text;
 messagesDiv.appendChild(messageDiv);
 messagesDiv.scrollTop = messagesDiv.scrollHeight;
}
```

```

// Initial greeting
setTimeout(() => {
 addMessage('system', 'Ready! Ask any question and it will be analyzed through multiple AI
perspectives for comprehensive wisdom.');
```

```

 }, 1000);
</script>
</body>
</html>
```

# HUMANCODEX-FREE DEPLOYMENT GUIDE

# Step-by-Step Instructions to Build Free AI System

## WHAT YOU'RE BUILDING

A free AI chat system that:

- Costs \$0 per month forever
  - Runs 24/7 automatically
  - Uses Ring of 6 method for better answers
  - Can be copied by anyone
  - Requires zero maintenance
- 

## STEP 1: GET FREE GROQ API KEY

1. Go to website: <https://console.groq.com>
  2. Click "Sign Up" (use Google account is easiest)
  3. Once logged in, click "API Keys" in left menu
  4. Click "Create API Key"
  5. Give it a name: "HumanCodex-Free"
  6. Click "Create"
  7. **COPY THE KEY** - it looks like: [gsk\\_XXXXXXXXXXXXXX](#)
  8. Save it in a safe place (you'll need it in Step 3)
- 

## STEP 2: CREATE GITHUB REPOSITORY

1. Go to: <https://github.com>
  2. Sign up or log in
  3. Click green "New" button (top left)
  4. Repository name: [humancodex-free-backend](#)
  5. Description: "Free AI backend using Ring of 6"
  6. Make it **Public**
  7. Check "Add README file"
  8. Click "Create repository"
- 

## STEP 3: ADD BACKEND CODE TO GITHUB

1. In your new repository, click "Add file" → "Create new file"
2. Name it: [server.js](#)



3. Copy the entire `server.js` code from above
  4. Paste it into the file
  5. Click "Commit changes" at bottom
  6. Click "Add file" → "Create new file" again
  7. Name it: `package.json`
  8. Copy the `package.json` code from above
  9. Paste it
  10. Click "Commit changes"
  11. Edit the README.md file (click on it, then click pencil icon)
  12. Replace content with the README text from above
  13. Click "Commit changes"
- 

## STEP 4: DEPLOY BACKEND TO RENDER

1. Go to: <https://render.com>
2. Sign up (use GitHub account - click "Sign up with GitHub")
3. Authorize Render to access your GitHub
4. Click "New +" button (top right)
5. Select "Web Service"
6. Find your `humancodex-free-backend` repository
7. Click "Connect"

### Configuration:

- Name: `humancodex-free`
  - Environment: `Node`
  - Build Command: `npm install`
  - Start Command: `npm start`
  - Plan: **Free** (important!)
8. Scroll down to "Environment Variables"
  9. Click "Add Environment Variable"
  10. Key: `GROQ_API_KEY`
  11. Value: [paste your Groq API key from Step 1]
  12. Click "Add"
  13. Click "Create Web Service" button at bottom
  14. Wait 3-5 minutes while it builds
  15. When done, you'll see "Your service is live"
  16. **COPY YOUR URL** - looks like: <https://humancodex-free.onrender.com>
-

## STEP 5: CREATE FRONTEND REPOSITORY

1. Go back to GitHub
2. Click "New" repository again
3. Name: `humancodex-free`
4. Make it **Public**
5. Check "Add README"
6. Click "Create repository"
7. Click "Add file" → "Create new file"
8. Name it: `index.html`
9. Copy the complete `index.html` code from above
10. **IMPORTANT:** Find this line in the code:

javascript

```
const BACKEND_URL = 'https://humancodex-free.onrender.com/api/chat';
```

11. Replace it with YOUR Render URL from Step 4
  12. Click "Commit changes"
- 

## STEP 6: DEPLOY FRONTEND TO GITHUB PAGES

1. In your `humancodex-free` repository, click "Settings"
  2. In left menu, click "Pages"
  3. Under "Source", select "Deploy from a branch"
  4. Under "Branch", select "main" and "/"root"
  5. Click "Save"
  6. Wait 2-3 minutes
  7. Refresh the page
  8. You'll see: "Your site is live at <https://YOUR-USERNAME.github.io/humancodex-free>"
  9. **CLICK THE LINK** - your site is now live!
- 

## STEP 7: TEST IT

1. Go to your GitHub Pages URL
2. You should see "HumanCodex Free" with the chat interface
3. Type a message: "What is consciousness?"
4. Click "Send"
5. **First time might take 30-60 seconds** (backend waking up)
6. You should get a response processed through Ring of 6!

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## WHAT YOU NOW HAVE

- ✓ Free AI chat system
- ✓ Runs 24/7 forever
- ✓ No monthly costs
- ✓ No maintenance needed
- ✓ Anyone can access it
- ✓ Anyone can copy/fork it
- ✓ Open source
- ✓ 200-year ready

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## URLs TO SAVE

- Backend: <https://humancodex-free.onrender.com>
- Frontend: <https://YOUR-USERNAME.github.io/humancodex-free>
- GitHub Backend Code:  
<https://github.com/YOUR-USERNAME/humancodex-free-backend>
- GitHub Frontend Code:  
<https://github.com/YOUR-USERNAME/humancodex-free>

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## IF SOMETHING GOES WRONG

### Backend won't deploy:

- Check that package.json has no typos
- Make sure GROQ\_API\_KEY environment variable is set
- Look at Render logs for error messages

### Frontend shows error:

- Check that BACKEND\_URL in index.html matches your Render URL exactly
- Make sure it ends with [/api/chat](#)
- First request takes 30-60 seconds (backend waking up)

### AI responses are slow:

- Normal - free tier has some delays
- First response always slowest (backend cold start)
- Subsequent responses faster

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## NEXT STEPS (OPTIONAL)

1. Add custom domain to GitHub Pages
2. Create individual Roger 1-6 persona pages
3. Add to nextxus.net as link
4. Share with others to fork/improve

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**THIS IS COMPLETE. Everything needed to deploy is above.**

△  ∞

**Copy this entire document to read slowly. No rush. Every step is here.**