

JoAi – Bringing Blockchain to Everyday Life with AI Agents

JoAi, developed by vLeapGroup, is a revolutionary software platform that introduces AI agents on the MultiversX blockchain. Designed to make blockchain interactions seamless and intuitive, JoAi eliminates the need for users to navigate complex decentralized applications (dApps). Instead, it brings blockchain functionality directly into people's everyday lives through natural conversation. Visit <https://joai.ai> to explore the platform and join the future of blockchain interaction.

What is JoAi?

JoAi deploys AI agents on the MultiversX blockchain, each equipped with its own wallet to manage digital assets and perform tasks. Users interact with their agents through a conversational interface, making blockchain as simple as chatting with a friend. Whether you're transferring assets, updating settings, or querying data, JoAi's mission is to integrate blockchain into your daily routine without requiring technical expertise.

Key Features of JoAi

1. AI Agents: Your Personal Blockchain Companions

- **Individual Wallets:** Each agent has its own wallet, enabling it to hold, manage, and transact digital assets independently.
- **Natural Language Interface:** Chat with your agent to execute blockchain tasks effortlessly —no dApps required.
- **For Everyone:** Accessible to users of all experience levels, from beginners to blockchain veterans.

2. Warps: The Powerhouse of JoAi's Capabilities

JoAi is built on **MultiversX Warps**, standardized on-chain actions that enhance agent functionality. Warps are an advancement over tools like Solana Blinks, offering greater flexibility and efficiency. According to the [Warps documentation](#), JoAi leverages three types of Warps, each making a significant difference:

- **Contract Calls**
 - **What They Do:** Enable agents to perform on-chain actions, such as transferring tokens or executing smart contract functions.
 - **Why It Matters:** Agents can act on your behalf—moving assets or triggering contract logic—without you interacting with a dApp. For example, saying “Send 10 EGLD to Alex” triggers a Warp to complete the transaction instantly.
 - **Impact:** Speeds up routine tasks and brings blockchain actions into natural workflows.
- **Contract Queries**
 - **What They Do:** Allow agents to read blockchain states, like account balances or contract data, to inform decisions.
 - **Why It Matters:** Agents can analyze real-time data and suggest actions. Imagine asking, “What’s my balance?” or “Is this contract safe?”—the agent queries the blockchain and responds intelligently.
 - **Impact:** Empowers informed decision-making without manual lookups, integrating blockchain insights seamlessly.
- **Data Collection**
 - **What They Do:** Collect user data through conversation and send it to the JoAi backend for processing.
 - **Why It Matters:** Simplifies tasks like onboarding (e.g., “Set up my profile”), updating settings (“Change my notification preferences”), or gathering shipping info (“Order this item to 123 Main St”). The agent handles it all naturally.
 - **Impact:** Reduces friction in user interactions, making blockchain applications feel like everyday tools.

Unlike traditional AI agent frameworks that hardcode actions—slowing development and tying developers to the framework—Warps are stored on-chain. This allows JoAi to teach agents how to use these actions dynamically, accelerating development and enhancing adaptability.

3. Self-Improving Agents: The Future of AI

JoAi’s agents are designed to evolve. By learning to create new Warps based on smart contract **Application Binary Interfaces (ABIs)** from MultiversX, they become self-improving:

- **How It Works:** Agents analyze ABIs to generate Warps for new smart contracts, expanding their capabilities without manual updates.
- **Real-World Example:** If a new DeFi protocol launches, the agent could learn its ABI, create a Warp to interact with it, and offer you options like “Stake my tokens here” within days.
- **Why It’s Revolutionary:** This adaptability eliminates the need for constant developer intervention, making JoAi future-proof and versatile.

This self-improving nature ensures agents grow smarter over time, tailoring themselves to your needs and the evolving blockchain landscape.

4. Operational Modes: Flexibility Meets Control

JoAi agents operate in two modes to suit your preferences:

- **Assisted Mode**
 - The agent suggests Warps or on-chain actions (e.g., “Transfer 5 EGLD to Sarah”), and you review and approve them.
 - Perfect for users who want guidance while retaining control.
- **Auto Mode**
 - The agent executes actions autonomously based on predefined rules or learned behaviors (e.g., “Pay my rent every 1st of the month”).
 - Ideal for trusted, hands-off automation of routine tasks.

These modes balance convenience and oversight, catering to both cautious users and those seeking efficiency.

5. Swarms: Collaborative Agent Power

JoAi introduces **Swarms**, groups of AI agents that operate as MultiSigs or Decentralized Autonomous Organizations (DAOs) using the [PeerMe](#) protocol:

- **What They Are:** Collaborative networks of agents making collective decisions or actions.
- **How They Work:** Swarms leverage PeerMe’s secure MultiSig and DAO features for consensus-driven tasks.
- **Use Case:** A Swarm could manage a community treasury, with agents voting to approve expenditures like “Fund this project with 100 EGLD.”
- **Impact:** Enables decentralized governance and teamwork, extending JoAi’s reach to complex, group-oriented goals.

6. Blockchain in Everyday Life: The Contact Book

JoAi doesn’t drag you into the blockchain—it brings the blockchain to you:

- **Contact Book Feature:** Store and manage contacts within JoAi. Tell your agent, “Send 20 EGLD to John” or “Include Jane’s details in this contract,” and it’s done via natural conversation.
- **Everyday Integration:** Transfer assets, interact with smart contracts, or manage tasks as easily as texting a friend.

- **Why It Matters:** By embedding blockchain into familiar actions, JoAi makes it a natural part of life—no dApp navigation required.
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Technical Foundations

JoAi runs on the **MultiversX blockchain**, renowned for its scalability, speed, and security. Key components include:

- **Warp Protocol:** Powers on-chain actions with flexibility and standardization.
- **PeerMe Integration:** Enables Swarms with MultiSig and DAO capabilities.

These foundations ensure JoAi is robust, secure, and ready for widespread adoption.

Why Choose JoAi?

- **Effortless Blockchain:** No need to master dApps—JoAi brings blockchain to you.
 - **Time-Saving Development:** Warps streamline action creation, freeing developers from hardcoding.
 - **Continuous Growth:** Self-improving agents adapt to new opportunities without updates.
 - **Personalized Control:** Assisted and Auto modes fit your comfort level.
 - **Community Power:** Swarms unlock collaborative potential for groups and DAOs.
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The Future of JoAi

JoAi's roadmap promises exciting advancements:

- **Mobile App:** Manage agents anywhere, anytime.
- **Smarter Agents:** Enhanced self-improvement for broader capabilities.
- **Swarms Evolution:** New features for collective intelligence and governance.

Check out our [high-level overview](#) for a glimpse into JoAi's vision and join our community to stay informed.

Conclusion

JoAi redefines blockchain interaction by bringing it into your everyday life. With AI agents powered by Warps, self-improving capabilities, flexible modes, collaborative Swarms, and a contact book for seamless tasks, JoAi makes blockchain intuitive, powerful, and personal. Say goodbye to complex dApps and hello to a future where blockchain works for you—naturally.

Discover JoAi at <https://joai.ai> and experience the blockchain revolution today!