

Sagent - On-Chain Agent

Value Proposition:

Sagent is a web-based platform that integrates a chatbot powered by a Large Language Model (LLM), enabling users to interact with the Solana blockchain via text or voice commands. Sagent simplifies complex blockchain tasks, such as sending tokens, creating NFTs, launching tokens, and executing DeFi swaps, making Solana accessible to crypto novices and experts alike.

Product-Market Fit:

The current blockchain ecosystem is often intimidating for newcomers and time-consuming for experienced users. Sagent addresses these challenges by leveraging AI and natural language processing to create a seamless, intuitive, and secure interface for Solana blockchain interactions.

Target User Profiles:

1. Crypto Novices (e.g., Newbie Nina):
 - Demographics: Individuals aged 18-45, new to crypto, located globally.
 - Interests: Learning about blockchain, sending/receiving crypto, avoiding technical complexity.
 - Motivations: Fear of making mistakes, desire for simplicity, and trust in guided interactions.
 2. Artists (e.g., Artist Alice):
 - Demographics: Creators aged 20-40, often in creative industries, globally distributed.
 - Interests: NFT creation, digital art, monetizing creativity.
 - Motivations: Avoiding coding, focusing on art, and reaching a global audience.
 3. Token Creators (e.g., Memecoin Mike):
 - Demographics: Tech-savvy individuals aged 20-35, often in crypto communities.
 - Interests: Launching tokens, memecoins, and participating in crypto trends.
 - Motivations: Speed, simplicity, and capitalizing on market opportunities.
 4. DeFi Users (e.g., DeFi Dana):
 - Demographics: Crypto enthusiasts aged 25-45, often in urban areas.
 - Interests: Trading, swapping, and managing crypto assets.
 - Motivations: Finding the best rates, saving time, and minimizing fees.
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User Stories

User Story ID: SAG-001a

Priority: High

User Persona: Newbie Nina

Goal: Send SOL to a friend without manually handling blockchain addresses.

User Story:

As a crypto novice, I want to send SOL tokens via voice command so I don't have to type complex addresses or understand blockchain jargon.

Functionality:

- The chatbot accepts voice commands (e.g., "Send 5 SOL to Alex").
- Confirms recipient identity via saved contacts (e.g., phone number → Solana address).

Attributes:

- Voice-to-text accuracy $\geq 95\%$.
- Auto-populates recipient addresses from a user-defined contact list.

User Interaction:

- User speaks command → chatbot confirms details → user approves via Phantom Wallet.
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User Story ID: SAG-002a

Priority: High

User Persona: Artist Alice

Goal: Create an NFT collection without coding.

User Story:

As an artist, I want to mint a 10-piece NFT collection by describing it to Sagent so I can focus on my art, not tech.

Functionality:

- Chatbot guides metadata setup (title, description, royalties).
- Auto-generates NFT collection via templates.

Attributes:

- Supports image uploads (PNG/JPG) and metadata storage on Arweave/IPFS.

User Interaction:

- User says, "Create an NFT collection called 'Digital Dreams'" → chatbot configures and requests wallet approval.
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User Story ID: SAG-003a

Priority: High

User Persona: Memecoin Mike

Goal: Launch a memecoin in under 5 minutes.

User Story:

As a token creator, I want to deploy a memecoin and buy a custom supply amount on pump.fun using natural language.

Functionality:

- Chatbot interprets commands (e.g., "Create 'DogeCoin' and buy 5% of the supply at launch").
- Auto-generates SPL token with supply logic.

Attributes:

- Token metadata (name, symbol, link to the image) stored on-chain.

User Interaction:

- User types command → chatbot warns about high risks → user approves.
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User Story ID: SAG-004a

Priority: High

User Persona: DeFi Dana

Goal: Swap SOL for USDC at the best rate.

User Story:

As a DeFi user, I want Sagent to find the best swap rate and execute it in one click.

Functionality:

- Chatbot aggregates rates from Jupiter, Orca, and Raydium.
- Executes swap via wallet interaction.

Attributes:

- Displays slippage tolerance and gas fees upfront.

User Interaction:

- User types, "Swap 10 SOL to USDC" → chatbot shows options → user selects → wallet signs.