



Advanced XRPL transactions and tools

Paris Blockchain Week Hackathon

April 5th-6th 2025

XRPL Commons





Agenda



Overview of how an AI agent works and interaction with XRPL.



Ask me anything about XRPL and overall support.



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Overview of how an AI agent works and interaction with XRPL

Please welcome to



Shane Calder

Shane is an experienced project and IT leader with a strong background in construction and software delivery.

He combines technical skills in programming with deep expertise in managing complex, cross-industry projects.

Co-founder of **Merkle META** and former Canadian military reservist.





AI Agents 101

Presented by Shane



Agents

- ChatGPT (language agent)
- Self-driving cars (sensor-based agents)
- Game bots (goal-oriented agents)
- Trading bots (decision-making based on



Agent Architecture

- Environment – What the agent is interacting with (e.g., game, market, user)
- Observation/Input – What the agent sees or senses (e.g., game state, user message)
- Policy/Logic – How the agent decides what to do
- Action – What the agent does next
- Reward (Optional) – Feedback for learning, especially in Reinforcement Learning



Types of Agents:

- Rule-Based Agents: “If X, then do Y” (simple logic).
- Learning Agents: Improve with experience (e.g., Q-learning).
- Reactive Agents: Respond to current state only.
- Deliberative Agents: Plan ahead and reason.
- Multi-Agent Systems: Several agents working together.



What Agent
will you build



Lets take a look at some
code





<https://ai-agent-xrpl.vercel.app/>



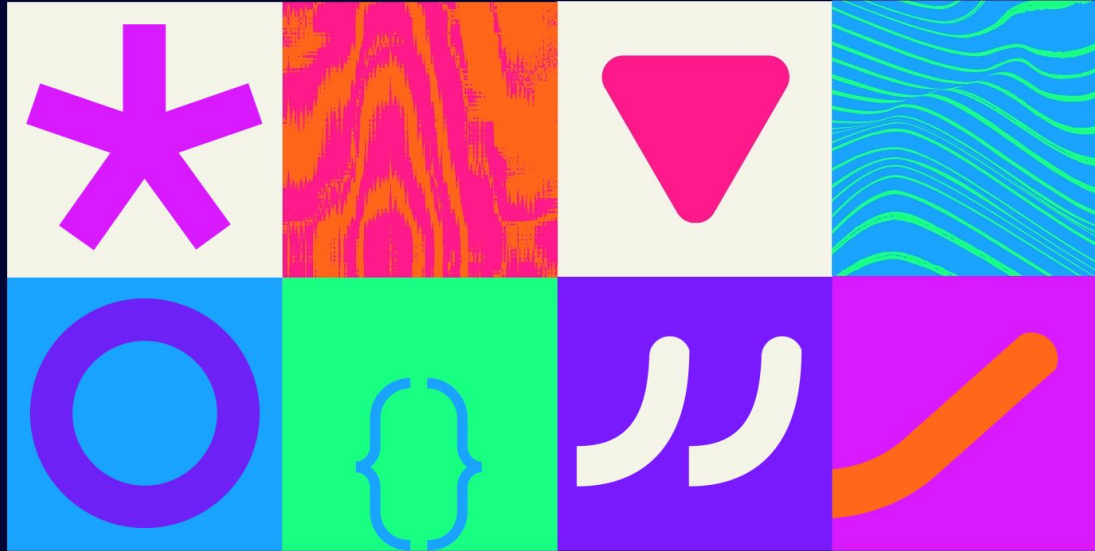
Building Transparent, Long-Term AI Reasoning for an Ethical Future cotledger.com



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**Ask me anything about
XRPL and overall support.**

Ask me anything !





Resources



xrpl.at/pbw2025

Thank you!

