



AgentPayment Sandbox

Test AI Agent Payments Without Real Money

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Product Owner | Fintech & Innovation



Open for roles in Singapore



The Problem I Solved

"I'm building an AI shopping agent. How do I test it?"

Without Sandbox	With APS
Real money	Free, instant, local
Hope you got it right	Automated Inspector
Build 4 mock servers	Unified platform

There was no "Postman for Agent Payments". So I built one.

The Protocol Landscape

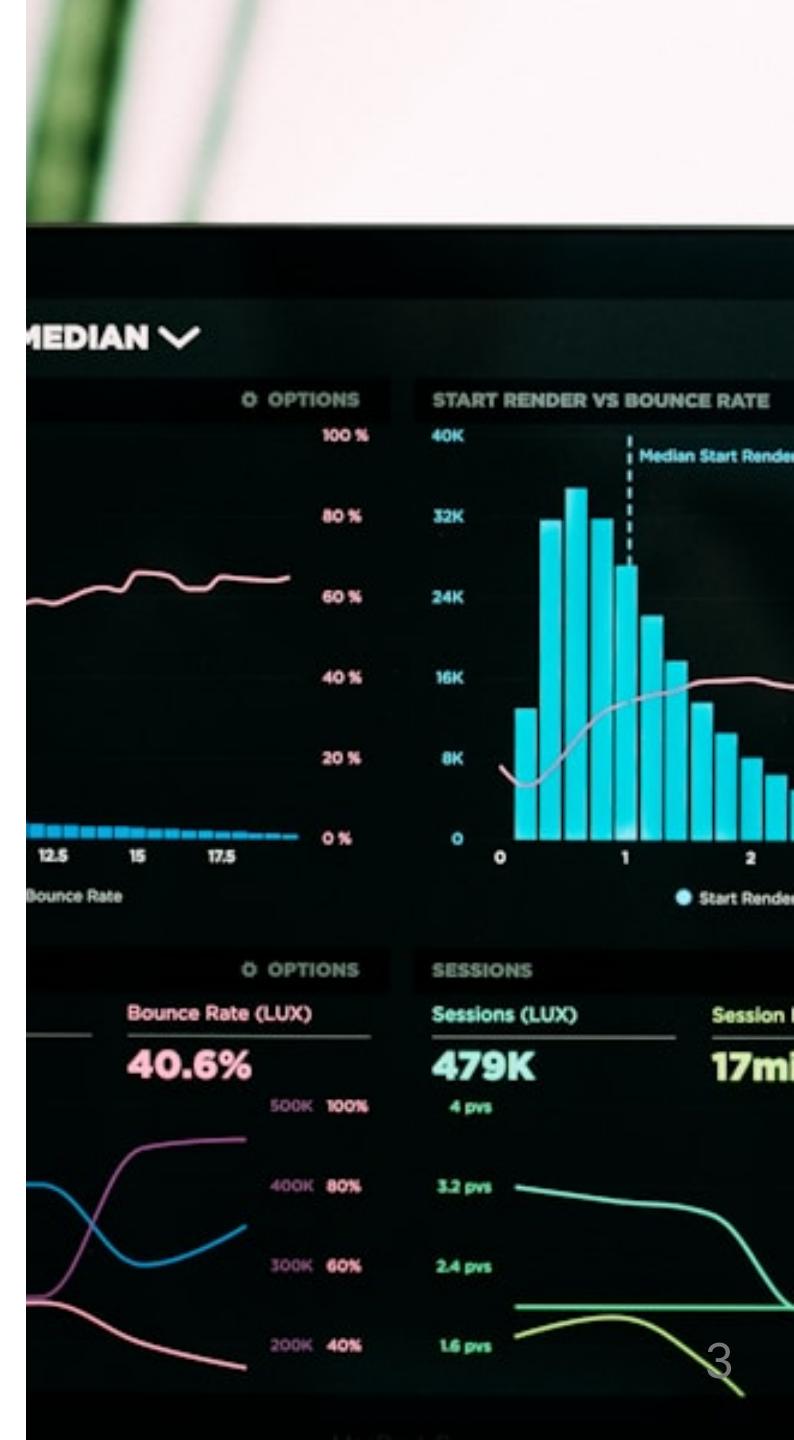


Google announced UCP with 20+ partners

Protocol	Owner	Purpose
UCP	Google + Partners	Universal checkout
AP2	Google	Agent mandates (A2A)
ACP	OpenAI + Shopify	E-commerce checkout
x402	Coinbase	Micropayments

A2A = Messaging protocol

AP2 = Payment extension on A2A





What APS Tests ✓

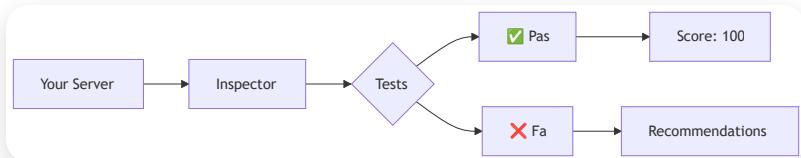
Backend (2,700+ lines Python)

- `ucp.py` — 475 lines
- `ap2.py` — 727 lines
- `x402.py` — 524 lines
- `acp.py` — 340 lines
- `inspector.py` — 491 lines

Frontend (React + TypeScript)

- Interactive Playground UI
- Flow Runner (step-by-step)
- Security Analyzer

The Inspector



Test Suites Per Protocol

- **UCP**: 5 tests
- **ACP**: 5 tests
- **x402**: 5 tests
- **AP2**: 2 tests

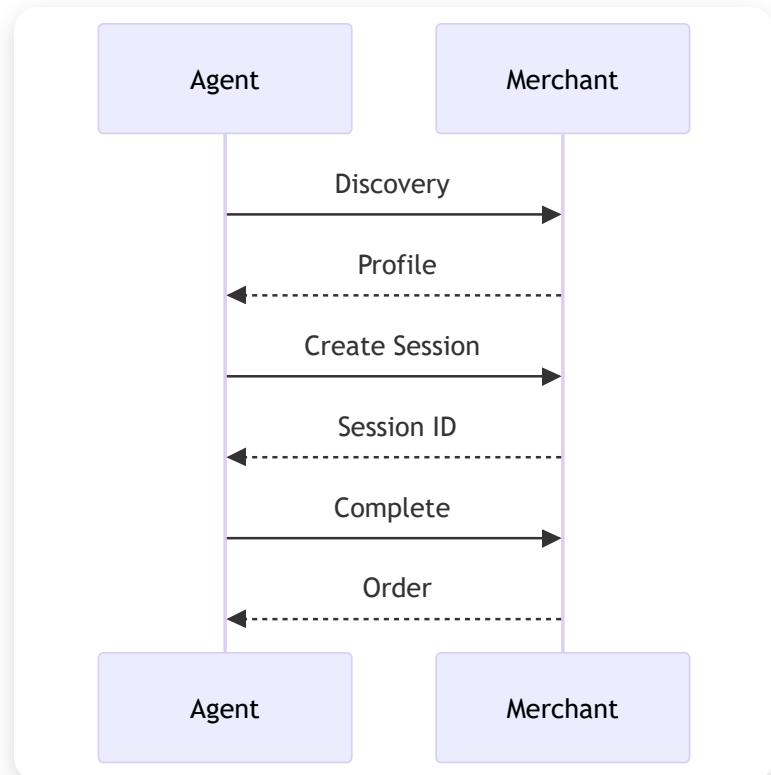
Output

- ✓ Pass/Fail status
- 📊 Security Score (0-100)
- 💡 Recommendations

UCP Flow



Discovery → Session → Complete



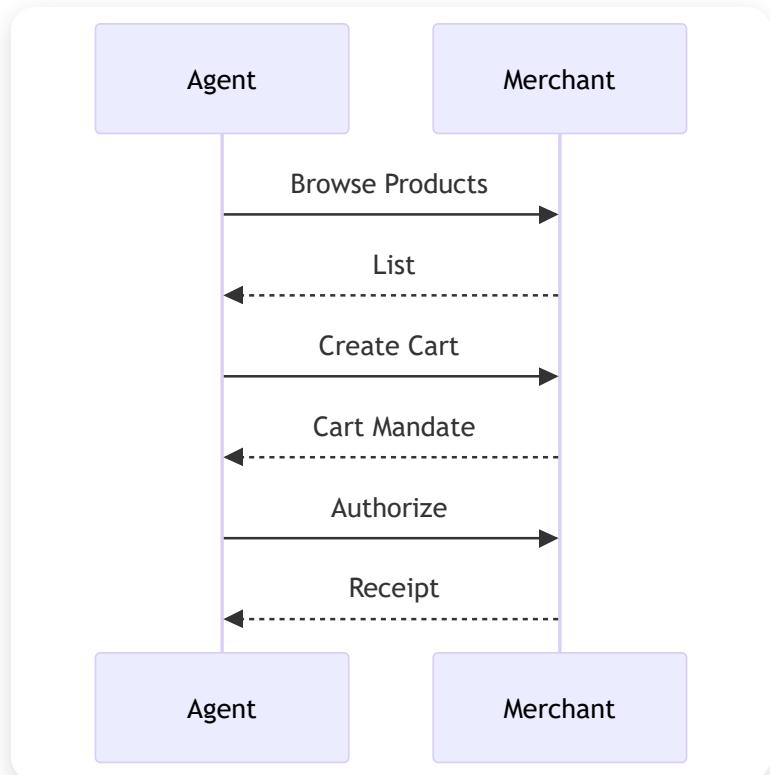
Endpoints

1. GET /.well-known/ucp
2. POST /checkout-sessions
3. PUT /checkout-sessions/{id}
4. POST /.../complete

Partners: Shopify, Walmart, Target, Etsy

AP2 Flow 🤖

A2A Messaging + Mandates + OTP



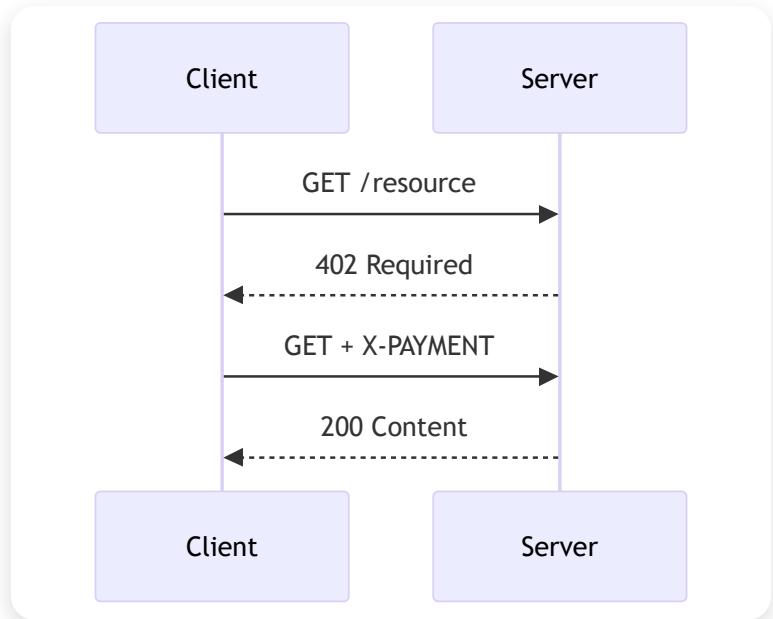
A2A Methods

- ap2/createIntentMandate
- ap2/browseProducts
- ap2/createCart
- ap2/initiatePayment
- ap2/submitOtp

Result: CartMandate → OTP → Receipt

x402 Flow ⚡

HTTP 402 + EIP-712 Signatures



x402 v2 Features

- CAIP-2 network IDs
- `PaymentRequired` response
- EIP-3009 authorization
- Facilitator: `/verify`, `/settle`

Owner: Coinbase

Why a Product Owner Built This



"You wrote 2,700+ lines of code. Aren't you a PM?"

My Philosophy

1. Build to Understand
2. Bridge Technical Gaps
3. De-risk Decisions

The best PMs accept complexity. They don't outsource understanding.





GitHub Pages Demo



The Challenge

GitHub Pages = No server.

The Solution

```
const IS_DEMO = hostname
  .includes('github.io');

if (IS_DEMO) {
  return DEMO_DATA[endpoint];
}
```

Result: Frictionless live demo!

Let's Connect



Sivasubramanian Ramanathan

Product Owner | Fintech & Innovation

Open for Roles

Product Management • Fintech

Payments • RegTech • Digital Assets

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Thank You!



AgentPayment Sandbox

The Postman for Agent Payments

 [Live Demo](#)

 [Documentation](#)