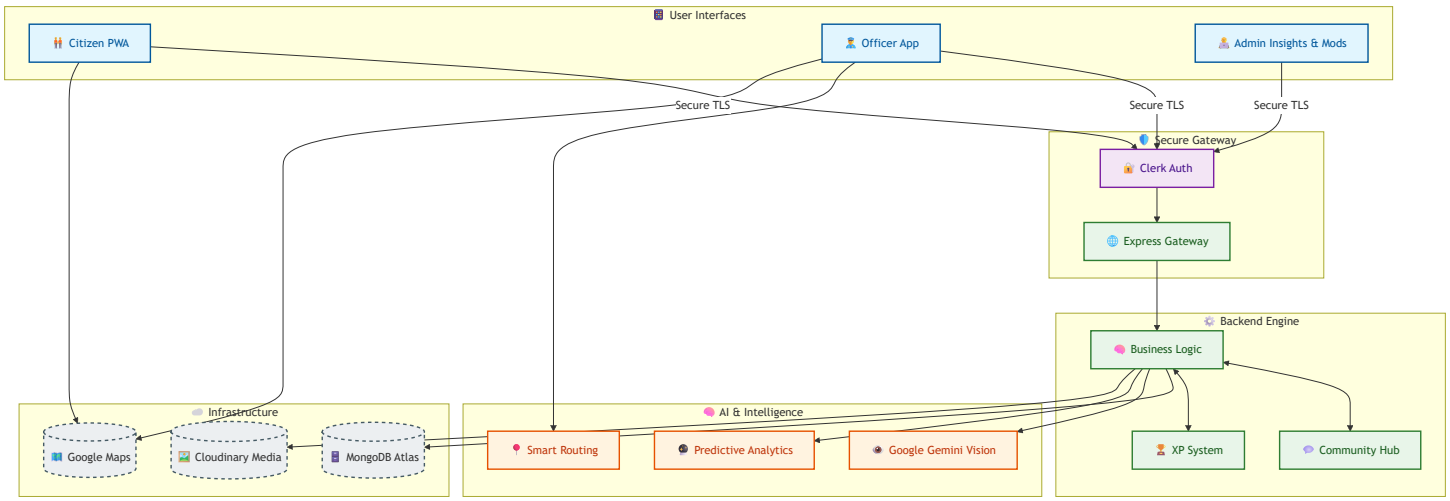
# 🎨 Visual Architecture & Design (Mermaid.js)

*Copy these into Mermaid Live Editor for professional, colored diagrams.*

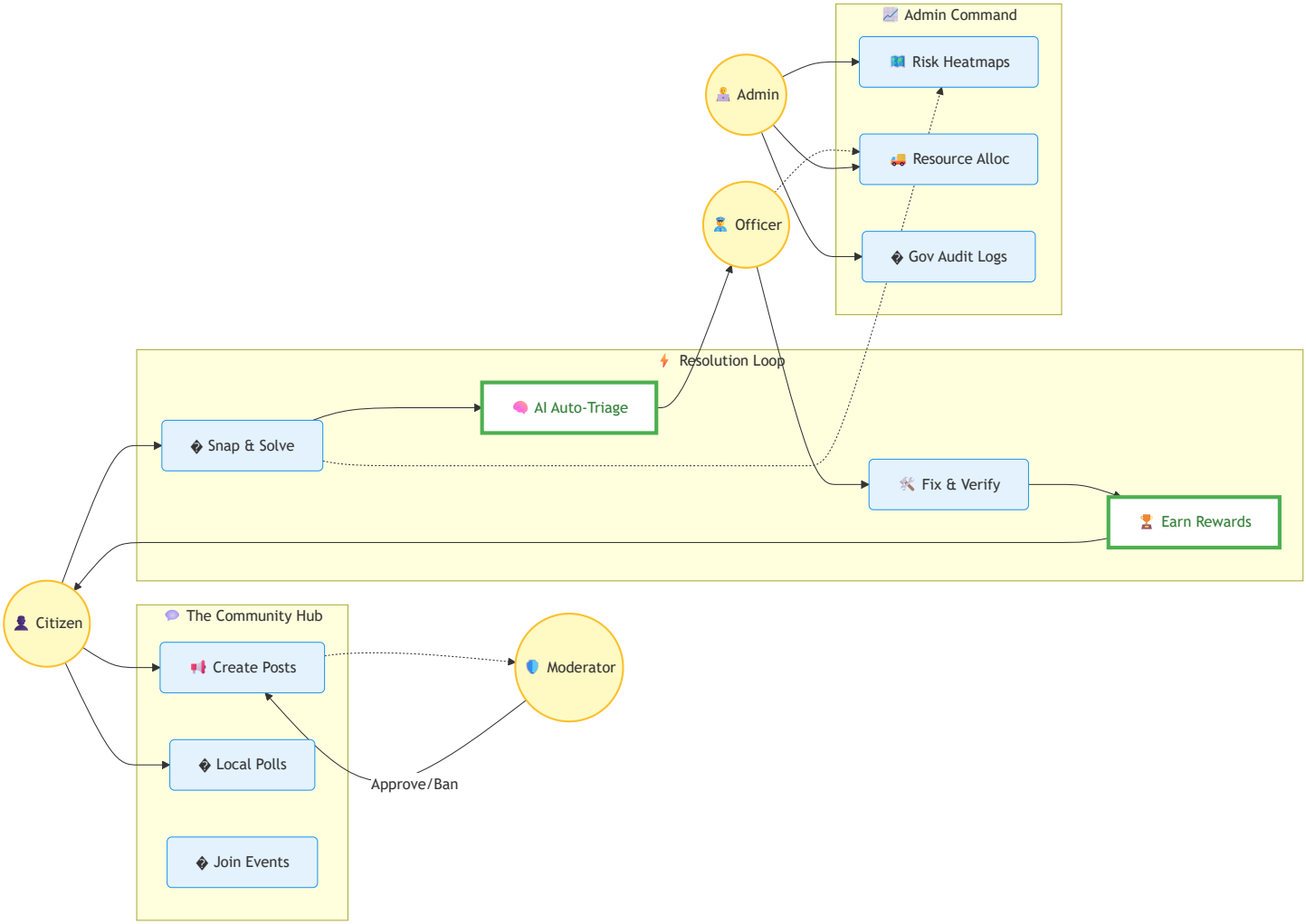
## 1. 🏛️ The Civix Ecosystem (Holistic Architecture)

A modern, microservices-ready architecture powering the ecosystem.



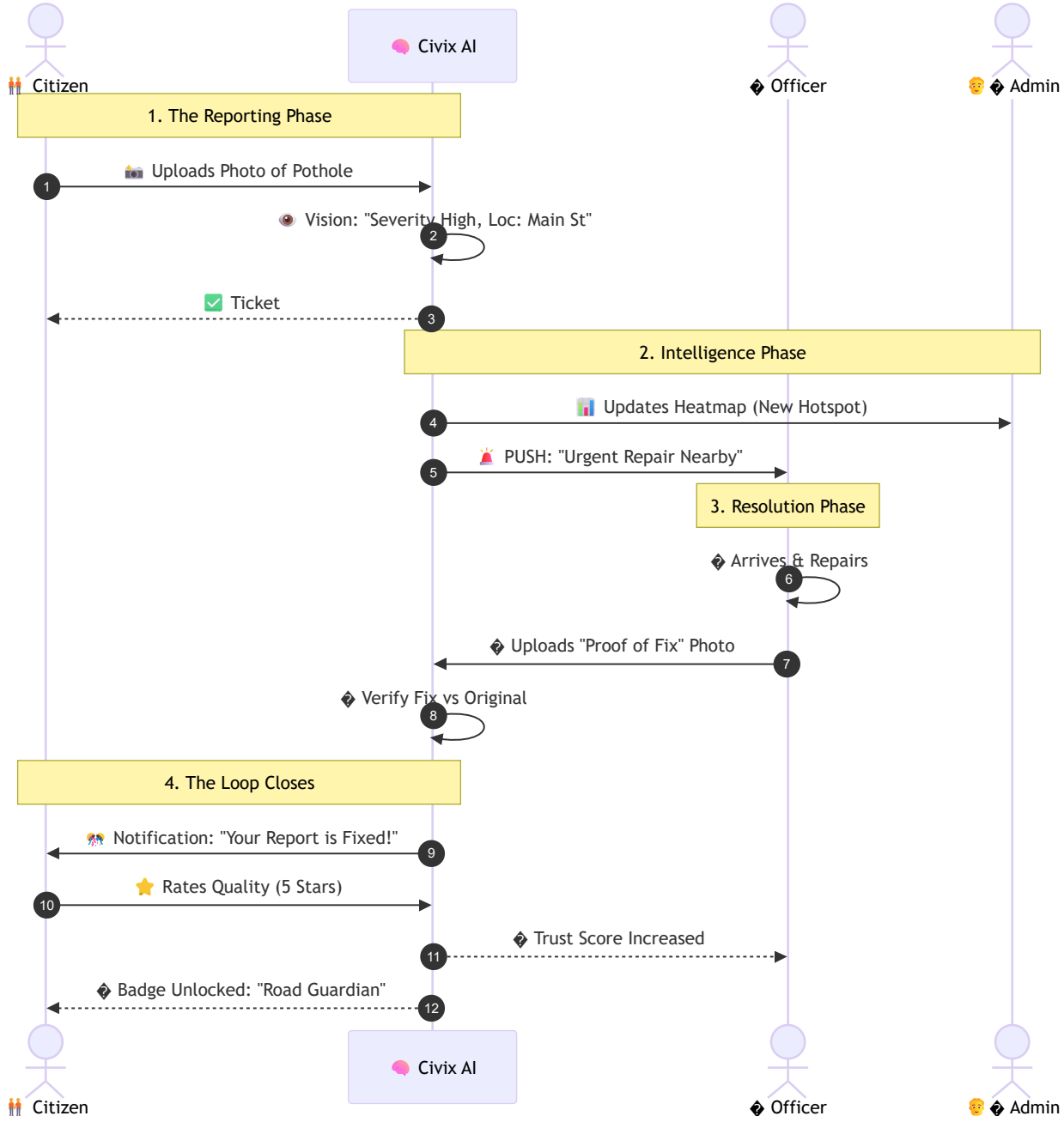

## 2. 🌀 The Vicious Loop Breaker (Use Case)

How Civix transforms apathy into action through distinct roles.




# 3. 🤝 The "Proof-of-Fix" Workflow (Sequence)

The transparent handshake between Citizen, AI, and Government.


Citizen
Civix AI
Officer
Admin
1. The Reporting Phase
Uploads Photo of Pothole
1
Vision: "Severity High, Loc: Main St"
2
Ticket
3
2. Intelligence Phase
Updates Heatmap (New Hotspot)
4
PUSH: "Urgent Repair Nearby"
5
3. Resolution Phase
Arrives & Repairs
6
Uploads "Proof of Fix" Photo
7
Verify Fix vs Original
8
4. The Loop Closes
Notification: "Your Report is Fixed!"
9
Rates Quality (5 Stars)
10
Trust Score Increased
11
Badge Unlocked: "Road Guardian"
12
Civix AI
Citizen
Officer
Admin