

# ArchAI — Showcasing Docker Skills

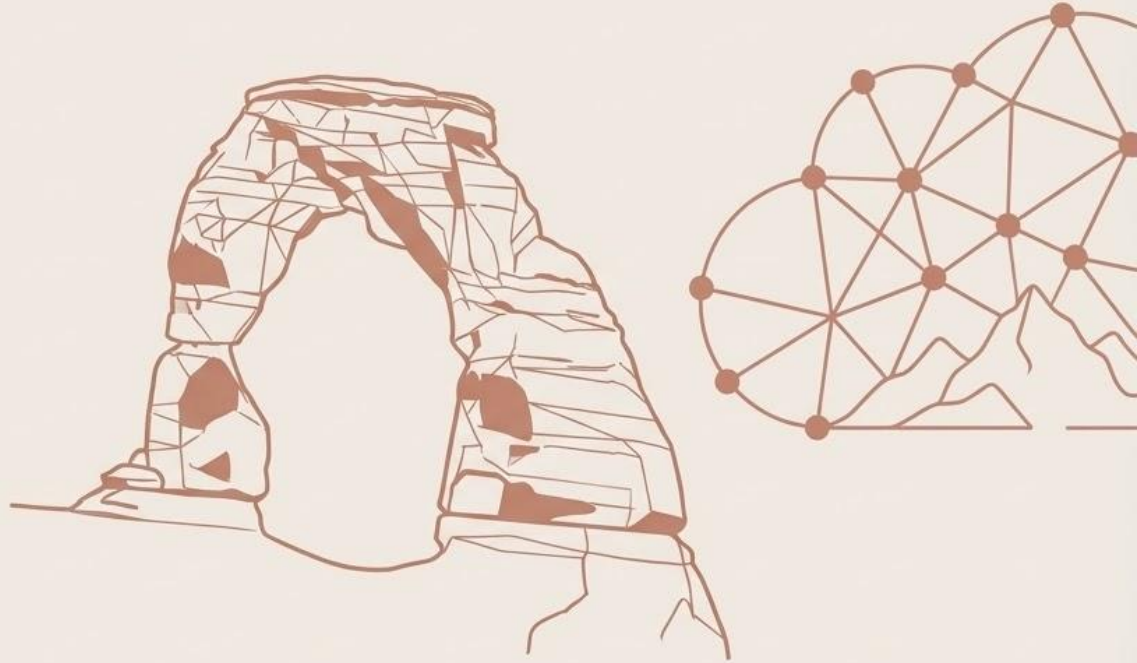
**Caleb Kartchner**



Docker | Docker Compose | Local Model Hosting | AI Integration

# ArchAI: Description

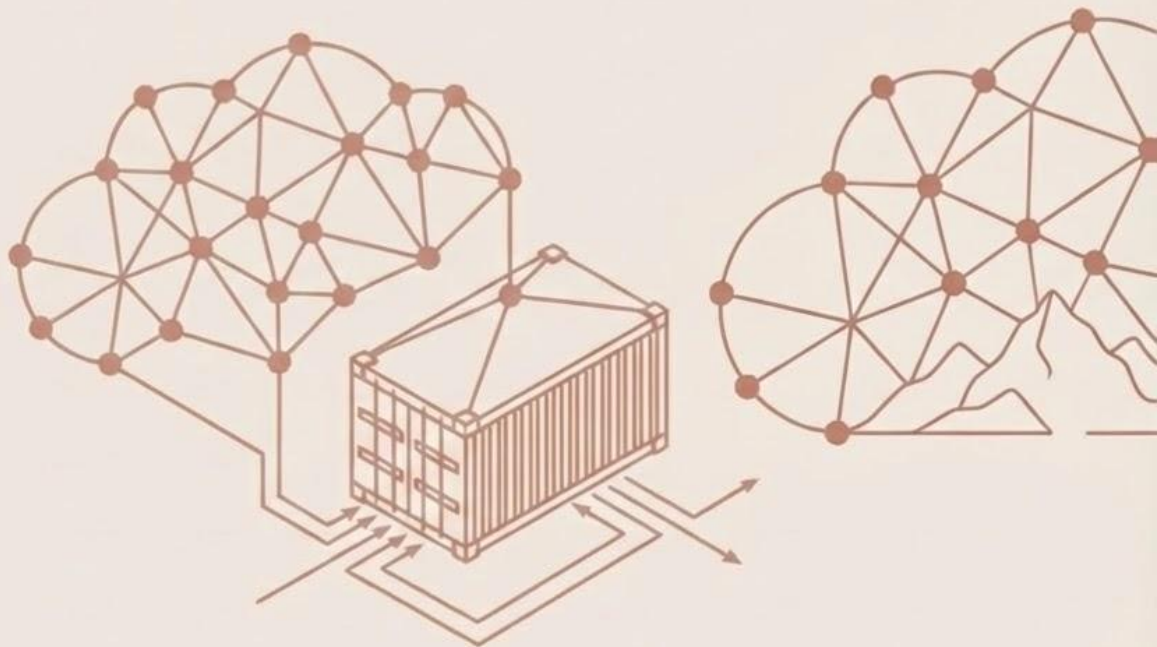
- An AI-powered Utah tourism recommendation system.
- Uses Docker's AI features to host a local LLM and integrate real-time tools.
- Full stack with FastAPI backend, database, UI, and tool integrations.



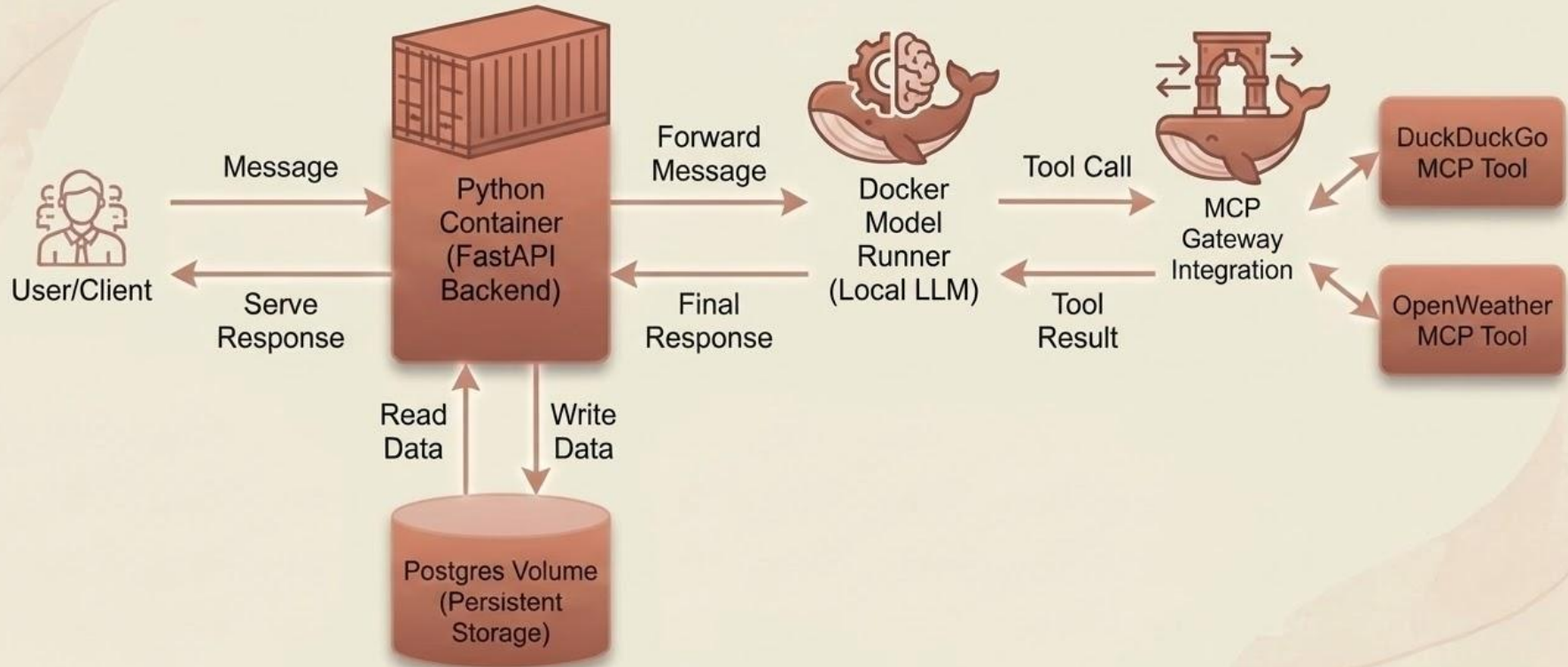
# ArchAI: Key Docker Features Used

Everything is built with docker compose.

- Docker Model Runner
- MCP Gateway Integration
  - duckduckgo MCP tool
  - openweather MCP tool
- postgres volume
- python container running FastAPI

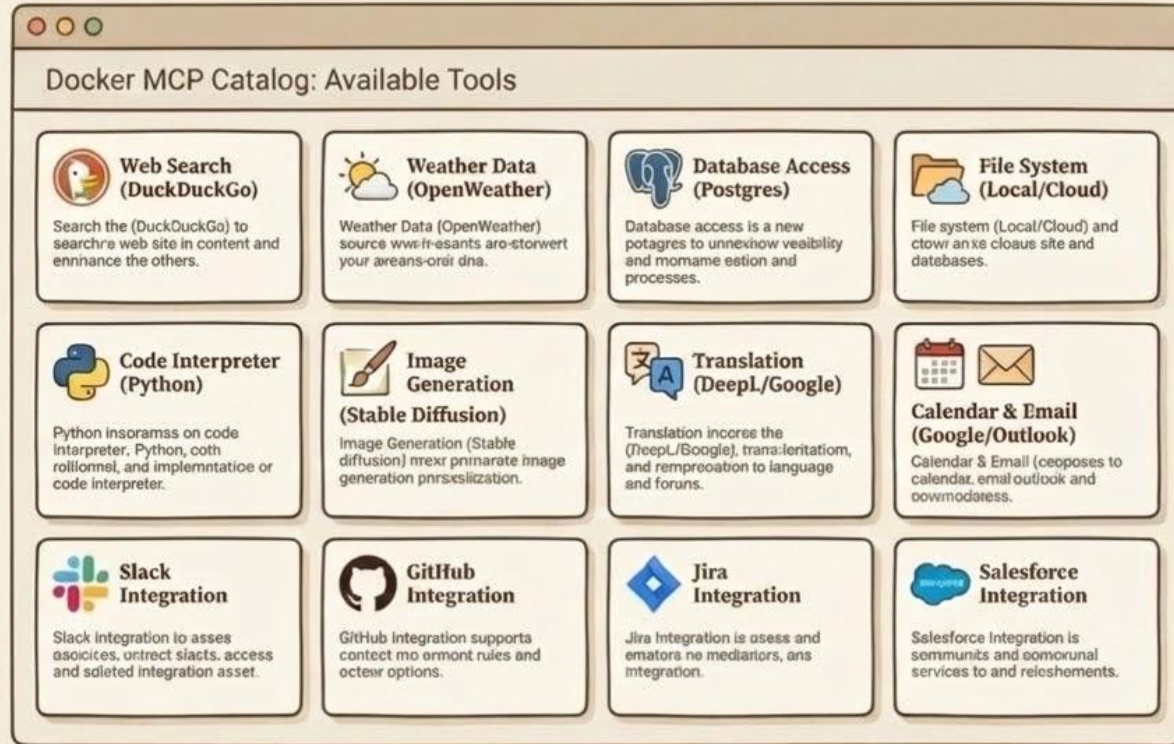


# ArchAI: Component Interaction & Data Flow

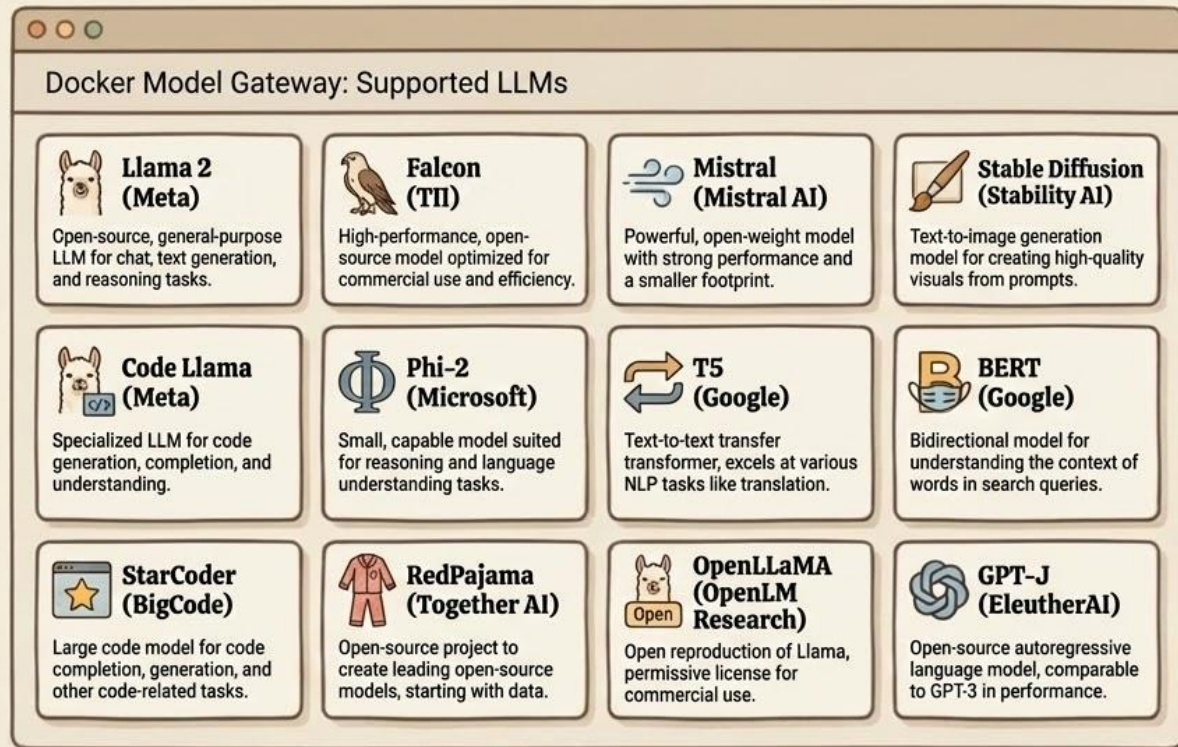




# Docker MCP allows you to plug and go



# Docker Model Gateway allows you to plug and go





# **Demo Time!**

**ArchAI**