

MediRescue – Intelligent Micro-Health Coverage Platform

Overview

MediRescue is an AI-infused micro-health protection platform designed to make emergency healthcare,

medicine access, and medical guidance affordable, fast, and inclusive for all—especially low- and middle-income individuals traditionally excluded by expensive medical aid systems.

Key Features

- Flexible micro■payments starting at R20/month
- AI■powered plan guidance and emergency triage
- Provider verification (SA ID + optional phone)
- Predictive claim and pooling modelling
- Emergency transport dispatch
- Medicine voucher generation
- Wallet dashboard & payment integrations (Huawei Pay, MTN MoMo)
- Multi-agent system via Agno with A2A orchestration
- RAG engine for internal policy retrieval
- Automation with MCP■Use, Playwright, and Selenium

System Architecture

Frontend: Next.js + Vercel AI SDK

Backend: Python Agno agents, financial models, tools, automation, RAG, database

Database: PostgreSQL

Use Cases

1. Compare plans and enroll
2. Provider verifies a patient
3. Start emergency transport
4. Receive medicine vouchers
5. Apply Huawei bonus points

Conclusion

MediRescue is a modern, AI-driven microhealth coverage ecosystem that democratizes emergency healthcare access and ensures inclusivity, affordability, and real-time intelligence.