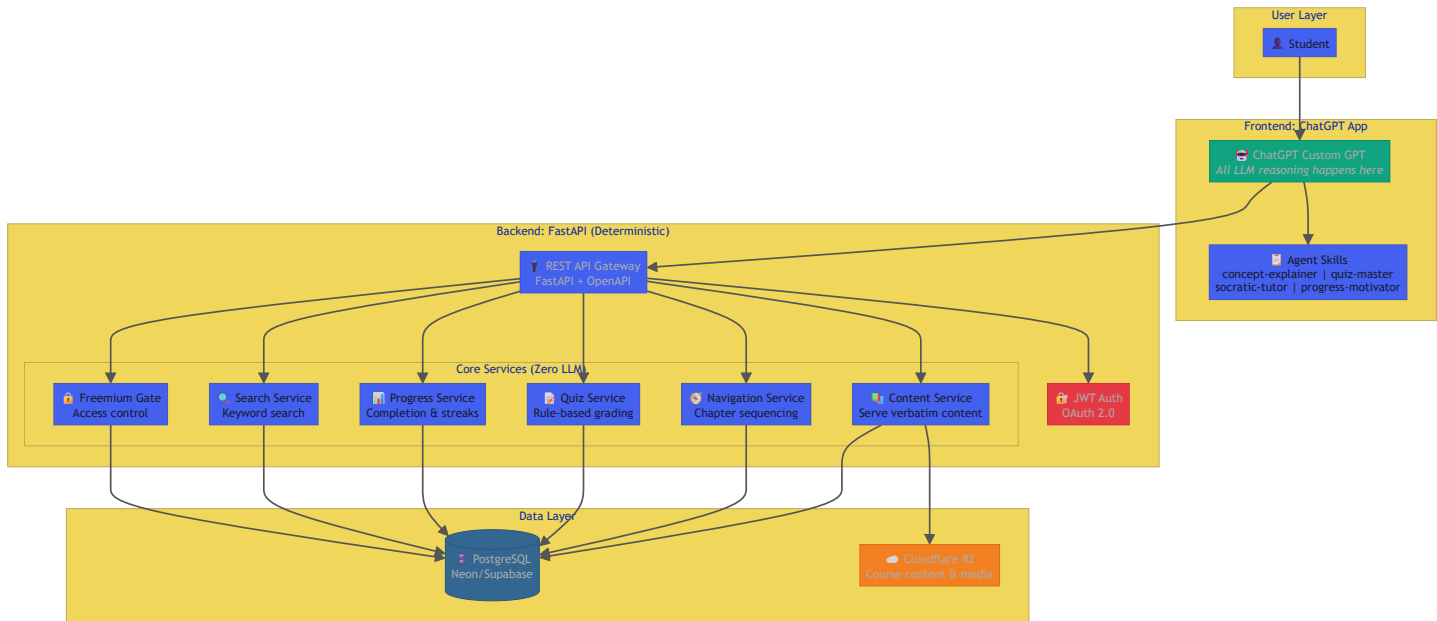


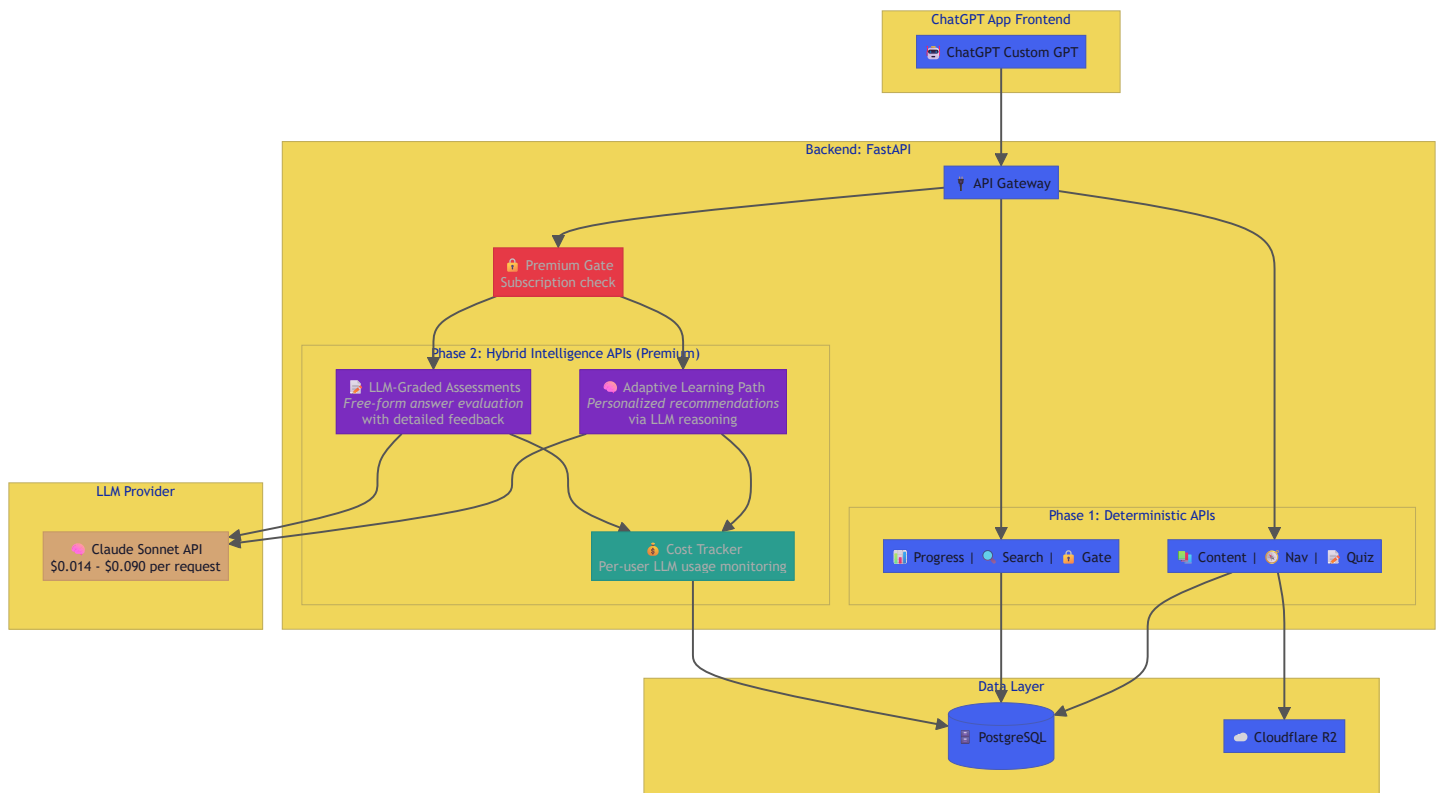
# Course Companion FTE - System Architecture

Agent Factory Hackathon IV | Dual-Frontend + Zero-Backend-LLM Architecture

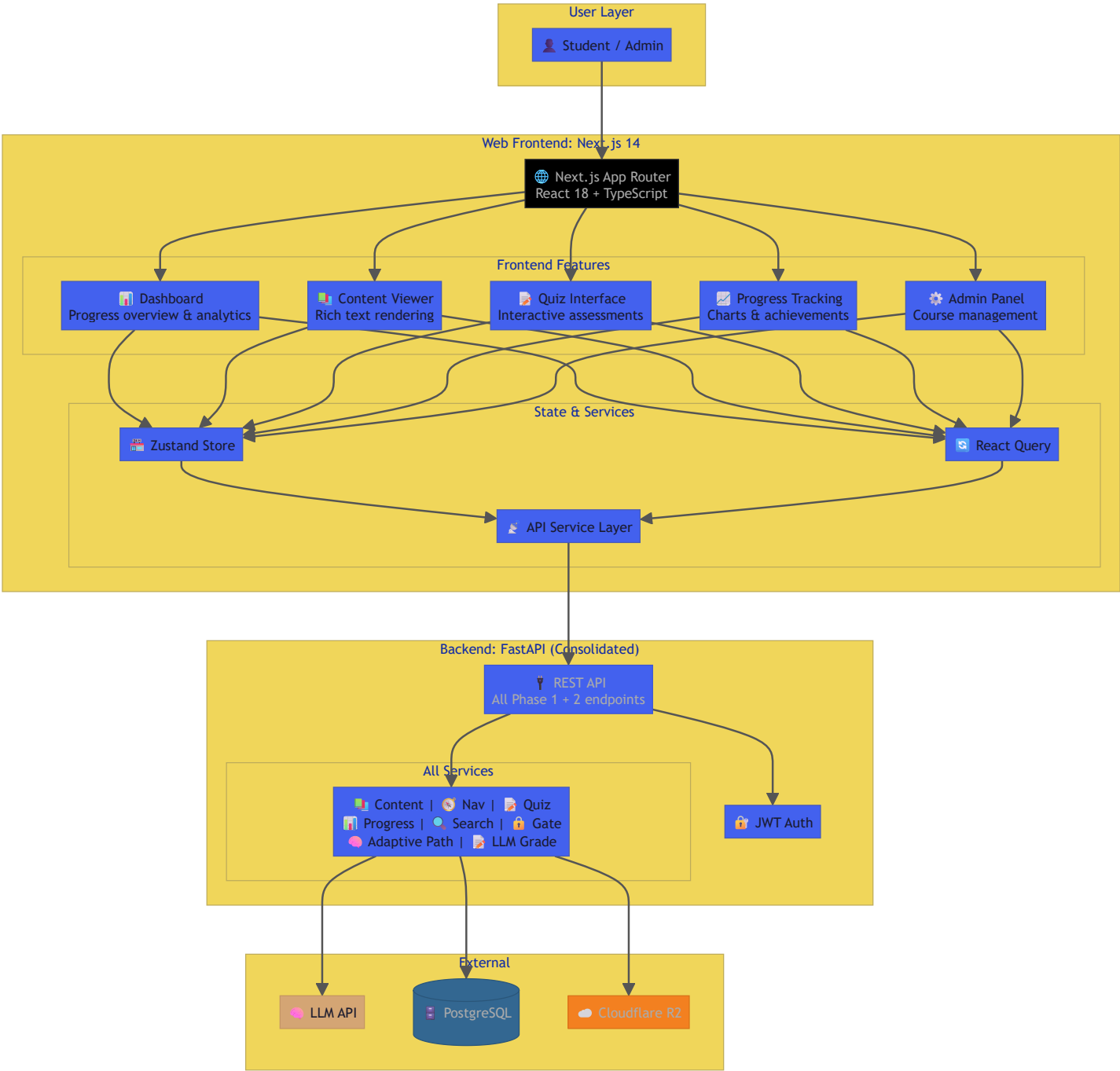
## Phase 1: Zero-Backend-LLM (ChatGPT App)



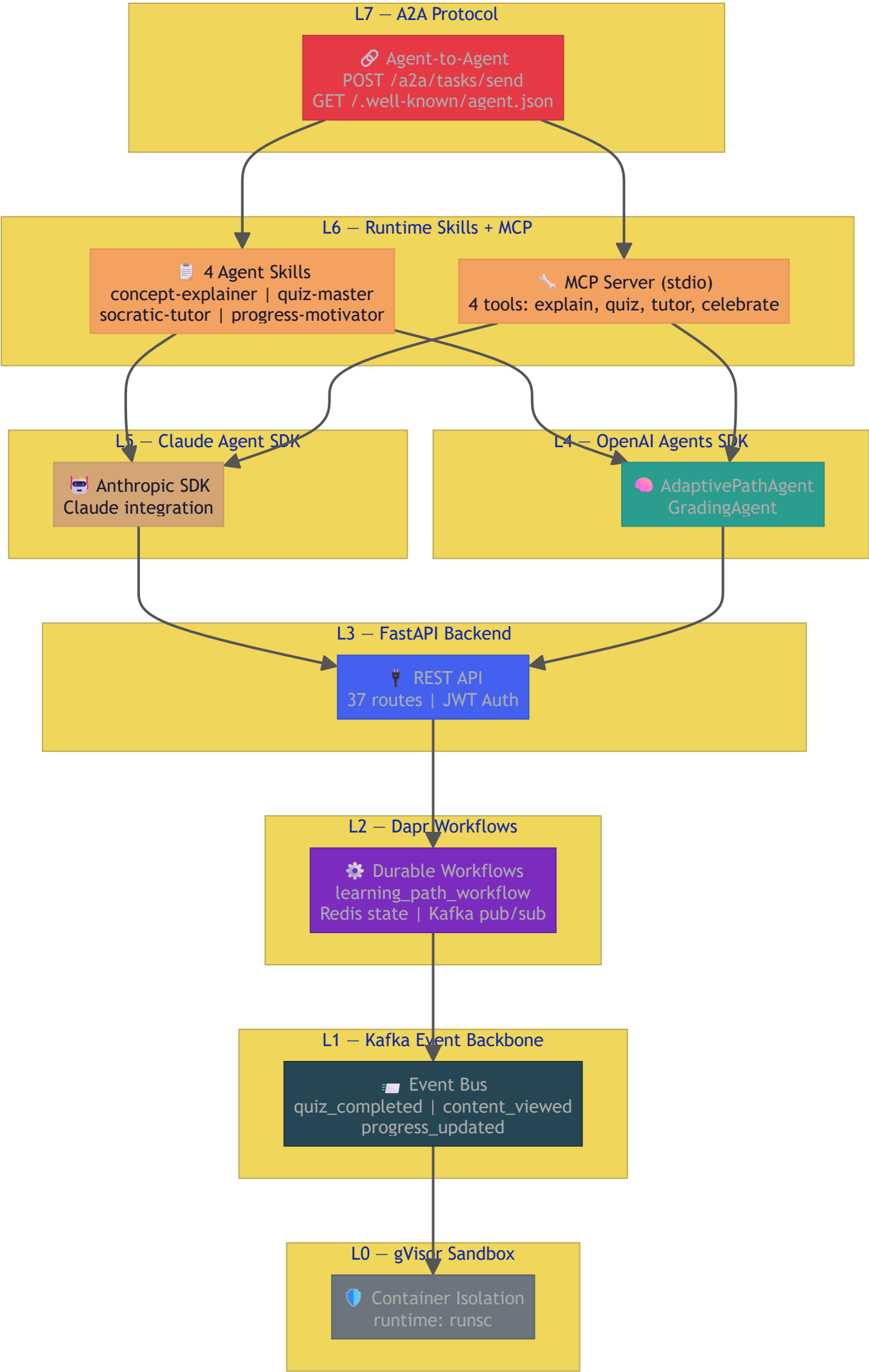
## Phase 2: Hybrid Intelligence (Premium Features)



Phase 3: Web App (Full End-to-End)



Agent Factory 8-Layer Stack



Cost Model

LLM Cost per Request

Adaptive Path: \$0.018  
LLM Assessment: \$0.014  
Synthesis: \$0.027  
Mentor: \$0.090

Phase 2: Premium Revenue

Free: \$0 | Premium: \$9.99/mo  
Pro: \$19.99/mo | Team: \$49.99/mo

Phase 1: Near-Zero Cost

10K Users  
\$16-41/month  
\$0.002-0.004/user

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*Open this file in a browser and use Print → Save as PDF to generate architecture-diagram.pdf*