

Multi-Agent AI System MVP

Comparable to: Multi-Agent AI / ChatStack

An enterprise orchestration platform that coordinates specialised AI agents across a complex business workflow.

Estimated MVP cost

\$17,262

Estimated effort

310 hours

To get your own customised cost for an app like this, visit www.chatstack.app and start a ChatStack interview describing how you want it customised.

Key Features

- Agent orchestration with task routing and state management
- Tool-calling integrations to CRM, ticketing, and document stores
- Human-in-the-loop approval gates
- Audit logs and role-based access
- Admin dashboard for workflow configuration

Out of Scope for This MVP

- Enterprise SSO
- SOC 2-ready logging
- Advanced analytics deferred to post-MVP

Full Cost Breakdown

Item	Hours	Cost
Multi-agent orchestration, integrations, admin UI, and audit logging.	198	\$10,890
Planning	22	\$1,198
Project Management	18	\$980
Testing	10	\$545
DevOps	8	\$436
Design & Frontend Build	26	\$1,416
AI Tokens	0	\$272
Security	10	\$545
Risk (10% Contingency)	18	\$980
Total	310	\$17,262

Estimate Assumptions

- Excludes ongoing LLM inference costs at runtime.

Risks That Could

Change This

- Integration APIs may require additional mapping effort.

User Stories

US-1 - Operator

As an operator, I want to trigger a multi-step workflow so that agents handle routine tasks automatically.

US-2 - Administrator

As an administrator, I want to configure agent roles and tools so that workflows match our processes.

US-3 - Reviewer

As a reviewer, I want to approve high-risk agent actions before they execute.

Requirements

FR-1 - Orchestration

Coordinate multiple agents with persisted workflow state.

Requirements Assumptions

- Standard secure authentication and English-only MVP.

Technical Specification

TS-1 - Orchestration

Implement agent graph execution with retries and failure handling.

Technical Assumptions

- Supabase Postgres with RLS where applicable.
- Hosted on Vercel or AWS.

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