



# Agent Zero V1 - Master Task Board

**Last Updated:** 8 października 2025, 10:48 CEST

**Status:** All Critical Issues Resolved - Phase 2 Active

**Team:** Developer A (Backend) + Developer B (Frontend)

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## ✅ Phase 1: Foundation & Infrastructure - COMPLETE (8 Oct 2025)

### 1.1 ✅ Neo4j Service Connection - RESOLVED

- **Owner:** Developer A
- **Status:** ✅ DONE (8 Oct 09:00)
- **Result:** HTTP API + Bolt operational ([localhost:7474/7687](#))
- **Verification:** cypher-shell + transaction API tested

### 1.2 ✅ RabbitMQ Setup - OPERATIONAL

- **Owner:** Developer A
- **Status:** ✅ DONE
- **Result:** Management + AMQP working ([localhost:15672/5672](#))
- **Verification:** API overview + cluster operational

### 1.3 ✅ Redis Configuration - ACTIVE

- **Owner:** Developer A
- **Status:** ✅ DONE
- **Result:** In-memory store with PONG responses ([localhost:6379](#))
- **Verification:** redis-cli + container exec tested

## 1.4 ✅ Docker Infrastructure Optimization - COMPLETE

- **Owner:** Developer A
- **Status:** ✅ DONE (8 Oct 09:00)
- **Result:** Custom subnet (172.25.0.0/16), all conflicts resolved
- **Verification:** Multi-service orchestration working

## 1.5 ✅ WebSocket Monitor - PROFESSIONAL REWRITE

- **Owner:** Developer A
- **Status:** ✅ DONE (8 Oct 08:30)
- **Result:** Real-time dashboard (localhost:8000)
- **Verification:** Auto-reconnect + health checks operational

## 1.6 ✅ AgentExecutor Method Signature - FIXED

- **Owner:** Developer A
- **Status:** ✅ DONE (7 Oct 21:18)
- **Result:** execute\_task(agent, task, output\_dir) working
- **Verification:** 100% test success rate

## 1.7 ✅ Task Decomposer JSON Parsing - MULTI-STRATEGY

- **Owner:** Developer A
- **Status:** ✅ DONE (8 Oct 08:45)
- **Result:** 95%+ success rate, 6 fallback strategies
- **Verification:** Production-ready error handling

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## 🔥 Phase 2: Core Agent System - CURRENT FOCUS

### 2.1 🎯 Agent Communication Hub [HIGH PRIORITY]

- **Owner:** Developer A

- **Status:** 🚧 Ready to Start
- **Estimate:** 6 hours
- **Dependencies:** RabbitMQ (✅), Neo4j (✅)
- **Goal:** Centralized message routing między agentami

## 2.2 🎯 LLM Integration Enhancement [HIGH PRIORITY]

- **Owner:** Developer A
- **Status:** 🚧 Ready to Start
- **Estimate:** 4 hours
- **Dependencies:** Task Decomposer (✅)
- **Goal:** deepseek-coder:33b performance optimization

## 2.3 🎯 React Dashboard Frontend [HIGH PRIORITY]

- **Owner:** Developer B
- **Status:** 🚧 Ready to Start
- **Estimate:** 8 hours
- **Dependencies:** WebSocket Monitor (✅)
- **Goal:** Integration z professional UI, real-time data

## 2.4 🎯 Real-time Agent Visualization [HIGH PRIORITY]

- **Owner:** Developer B
- **Status:** 🚧 Ready to Start
- **Estimate:** 6 hours
- **Dependencies:** Agent Communication Hub
- **Goal:** Live agent performance metrics, system health

## 2.5 🎯 FastAPI Gateway Creation [MEDIUM PRIORITY]

- **Owner:** Developer A

- **Status:** 📅 Planned
- **Estimate:** 6 hours
- **Dependencies:** Agent Communication Hub
- **Goal:** API endpoints dla frontend integration

## 2.6 🎯 Task Management Interface [MEDIUM PRIORITY]

- **Owner:** Developer B
  - **Status:** 📅 Planned
  - **Estimate:** 8 hours
  - **Dependencies:** React Dashboard, FastAPI Gateway
  - **Goal:** UI dla task creation i monitoring
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## 🕒 Phase 3: Advanced Features - PLANNED

### 3.1 📊 Advanced Monitoring Suite

- **Owner:** Developer A
- **Status:** 📅 Planned
- **Dependencies:** All Phase 2 tasks

### 3.2 🔄 Error Recovery Systems

- **Owner:** Developer A
- **Status:** 📅 Planned
- **Dependencies:** Agent Communication Hub

### 3.3 🎨 Advanced UI Components

- **Owner:** Developer B
- **Status:** 📅 Planned
- **Dependencies:** Task Management Interface

### 3.4 🚀 Production Deployment

- **Owner:** Both
  - **Status:** 📅 Planned
  - **Dependencies:** All previous phases
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### 🔄 Cross-Phase Tasks (Ongoing)

#### 📝 Documentation & API Specs

- **Owner:** Both
- **Status:** 🔄 Continuous
- **Update:** As features are completed

#### 🔪 Testing & Quality Assurance

- **Owner:** Both
- **Status:** 🔄 Continuous
- **Goal:** 80%+ test coverage

#### ⚡ Performance Optimization



- **Owner:** Developer A
  - **Status:** 🔄 Continuous
  - **Goal:** <2s response times
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### 📈 Current Sprint Status

**Week 41/2025 (Oct 7-13):**

- ✅ **COMPLETED:** All Phase 1 infrastructure (7 critical tasks)
- 🎯 **CURRENT:** Phase 2 kickoff
- 📅 **NEXT:** Week 42 - Core features development

**Sprint Metrics:**

- Committed Story Points: 24 SP
  - Completed Story Points: 14 SP 
  - Remaining: 10 SP
  - Velocity: Ahead of schedule 
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## Team Coordination

### Integration Points:

- Developer A prepares APIs → Developer B consumes them
- WebSocket Monitor (A) → React Dashboard (B)
- Agent Communication Hub (A) → Real-time UI (B)

### Sync Schedule:

- **Daily:** Progress updates in this board
  - **Weekly:** Sprint planning & review
  - **As needed:** Technical coordination calls
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## Next Actions (This Week)

### Developer A:

1. Start Agent Communication Hub development
2. Begin LLM Integration performance work
3. Prepare API specs for Developer B


### Developer B:

1. Begin React Dashboard integration
2. Study WebSocket Monitor API
3. Plan real-time visualization components

### Both:

- Update progress w tym board daily
- Coordinate on API integration points
- Plan Week 42 sprint together

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 **MAJOR MILESTONE:** *All critical infrastructure complete - Ready for Phase 2 acceleration!*