

Developing Custom Agents for Specific Workflows

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1. Overview

For advanced use cases, Aimyze provides the capability to develop highly specialized autonomous agents tailored to your unique business requirements. This document outlines the custom agent development process and how to work with the Aimyze team to create bespoke solutions.

Note: All custom agent development is performed by Aimyze or our certified partners. This ensures enterprise-grade quality, security compliance, and optimal performance.

2. When to Consider Custom Agents

Custom agents are recommended when:

- Your use case has unique business logic not covered by standard agents
- You need integration with proprietary or legacy systems
- Industry-specific regulations require specialized handling
- Your workflow spans multiple systems in complex ways
- You want to automate highly specialized domain processes

3. Custom Agent Categories

3.1 Industry-Specific Agents

Agents designed for specific industry verticals:

- Manufacturing: Quality control, production optimization, supply chain
- Energy & Utilities: Grid management, demand forecasting, asset monitoring
- Healthcare: Patient flow, resource scheduling, compliance monitoring
- Financial Services: Risk assessment, fraud detection, regulatory reporting
- Logistics: Route optimization, warehouse management, fleet tracking

3.2 Function-Specific Agents

Agents focused on specific business functions:

- Operations: Process automation, exception handling, SLA management
- Finance: Invoice processing, expense management, reconciliation
- HR: Onboarding automation, compliance tracking, workforce planning
- IT: Incident response, change management, capacity planning

- Sales: Lead scoring, pipeline management, forecasting

4. Development Process

4.1 Requirements Definition

Working with your team to document:

- Business objectives and success metrics
- Current process workflows and pain points
- Data sources and system touchpoints
- Decision logic and business rules
- Exception handling requirements
- Compliance and audit needs

4.2 Design & Architecture

Aimyze architects design the solution:

- Agent architecture and component design
- Integration architecture and data flows
- AI/ML model selection and configuration
- Security and compliance implementation
- Scalability and performance planning

4.3 Development & Testing

Aimyze engineers build and test:

- Agent logic implementation
- Integration connector development
- Unit testing and integration testing
- Performance testing and optimization
- Security testing and vulnerability assessment

4.4 Deployment & Training

Controlled rollout and knowledge transfer:

- Staged deployment (dev → staging → production)
- User acceptance testing with customer team
- Training for operations and support teams
- Documentation and runbook creation
- Hypercare support period

5. Intellectual Property

Custom agent intellectual property terms:

- All custom agents developed by Aimyze remain the intellectual property of Aimyze Software Private Limited
- Customers receive a license to use the custom agent as part of their subscription
- Customer data processed by agents remains the property of the customer
- Aimyze may incorporate learnings into platform improvements (with data anonymization)

6. Engagement Options

6.1 Aimyze Professional Services

Direct engagement with Aimyze team:

- Dedicated project manager and technical architect
- Fixed-price or time-and-materials engagement
- Direct access to platform engineering team
- Accelerated development timelines

6.2 Certified Partner Development

Engagement through Aimyze certified partners:

- Partners trained and certified on Aimyze platform
- Industry-specific expertise
- Local presence and language support
- Competitive pricing options

7. Getting Started

To explore custom agent development:

1. Contact your Aimyze account manager
2. Schedule a discovery workshop
3. Receive proposal and timeline
4. Begin development engagement

Contact: solutions@aimyze.com