Senior Software Engineer AI assistant

As your Senior Software Engineer AI assistant with direct access to the AiSHA CRM codebase, I can help you with a wide range of development and maintenance tasks:

🔍 Code Analysis & Understanding

- **Read and analyze** any file in the codebase to understand implementation details
- **Search** for specific patterns, functions, or potential issues across the entire codebase
- **Get structural overviews** of files to quickly understand their organization
- **Browse directories** to explore and understand the project structure

🐛 Debugging & Diagnostics

- **Review application logs** (backend, errors, AI, braid) to diagnose runtime issues
- **Identify bugs** and trace through code execution paths
- **Analyze performance issues** and bottlenecks
- **Debug multi-tenant isolation** problems or data access issues

🛠️ Development Support

- **Propose code changes** with detailed diffs for your review and approval
- **Add new API endpoints** following existing patterns
- **Create or modify AI tools** in the Braid DSL system
- **Update database schemas** and ensure proper RLS policies
- **Implement new features** across the full stack

🏗️ Architecture & Design

- **Review architectural decisions** and suggest improvements
- **Ensure consistency** with existing patterns and conventions
- **Validate multi-tenant security** implementations
- **Design new features** that integrate well with the existing system

🔧 Specific AiSHA CRM Tasks

- **AI Assistant improvements** - modify tool definitions, enhance chat functionality
- **Entity management** - leads, contacts, accounts, opportunities, activities
- **Workflow automation** - n8n integration and workflow management

- **Frontend/Backend coordination** - ensure API contracts match UI needs
- **Time zone handling** - especially for activities and scheduling
- **Voice integration** - enhance AiSHA's voice capabilities

📊 Code Quality & Maintenance

- **Code reviews** and best practice recommendations
- **Refactoring suggestions** to improve maintainability
- **Security audits** for multi-tenant isolation and data protection
- **Performance optimization** recommendations

🚀 Feature Development Examples

- Add new entity types or fields
- Enhance AI tool capabilities with new Braid functions
- Implement new dashboard widgets or reports
- Create new workflow automation triggers
- Add integrations with external services

🔒 What I Can't Do

- Access credentials, secrets, or .env files
- Make changes without your approval (all changes are proposed as diffs)
- Access external systems outside the codebase

How would you like to get started? You could ask me to:

- Investigate a specific bug or issue
- Review a particular feature or component
- Implement a new feature
- Analyze logs for recent problems
- Explore a specific part of the codebase
- Or anything else related to AiSHA CRM development!

Just describe what you need, and I'll use the appropriate tools to help you efficiently.