AI Agent Automation for Real Estate Professionals: Hands-On n8n Workshop

Instructor: Dr. Cayman Seagraves
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Course Overview

Date: June 14th, 2025
Time: 9:00 AM - 12:00 PM & 2:00 PM - 4:00 PM (5 hours total)
Location: Virtual Training via Zoom ([Download Zoom](#)) - Zoom ID link to be determined
Platform: [n8n Cloud Platform](#)
Target Audience: Experienced real estate agents and real estate professionals

This intensive workshop is designed to be your launchpad into the world of AI-powered automation. You will leave with a strong foundational understanding and practical skills to begin transforming your business. While you won't become an expert overnight, you will gain the confidence and core knowledge to build, test, and deploy effective AI agents. This course provides the essential starting point for your automation journey.

Meet Your Instructor

Dr. Cayman Seagraves
Founder & CEO, [Caiyman AI LLC](#)
Assistant Professor of Finance, The University of Tulsa
Contact: [cayman@caiyman.ai](#)

Specializing in AI transformation for real estate and finance industries, with expertise in multi-agent

systems, automation, and strategic AI implementation. Dr. Seagraves brings both academic rigor and practical industry experience to help real estate professionals leverage cutting-edge AI technology for competitive advantage.

[Academic Profile & Research](#) | [Caiyman AI Solutions](#)

Key Learning Outcomes & What You'll Achieve

By the end of this intensive workshop, you will:

Build a Strong Foundation in AI Agents

- Understand the critical difference between AI agents and basic AI tools
- Build confidence in no-code automation using the n8n platform
- Create your first functional AI workflow within the first two hours

Deploy Your First Real Estate Solutions

- Launch your first 3-5 working AI workflows to serve as a model for future development
- Learn the patterns to automate lead generation, market analysis, and contract review
- Implement a foundational agentic personal assistant and client communication systems

Gain Competitive Advantage

- Significantly reduce manual tasks in key business processes
- Improve client response times and follow-up consistency
- Access advanced AI capabilities without deep technical expertise

Develop a Framework for Scalable Business Systems

- Understand how to design multi-agent workflows for complex real estate operations
- Plan implementation strategies tailored to your business size and goals
- Establish the foundation for continued AI automation expansion

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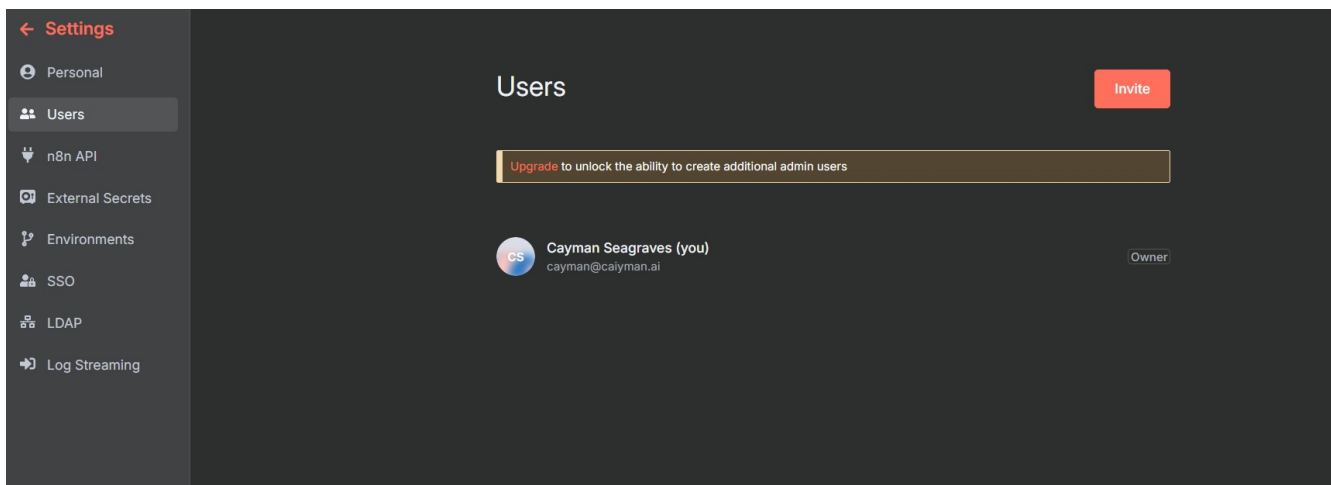# Pre-Course Preparation

Technical Requirements

- **Laptop** with a web browser (Chrome, Safari, Firefox, etc.)
- **Stable internet connection**
- **Zoom** installed ([Download Zoom](#)) for the virtual workshop

Technical Setup Checklist
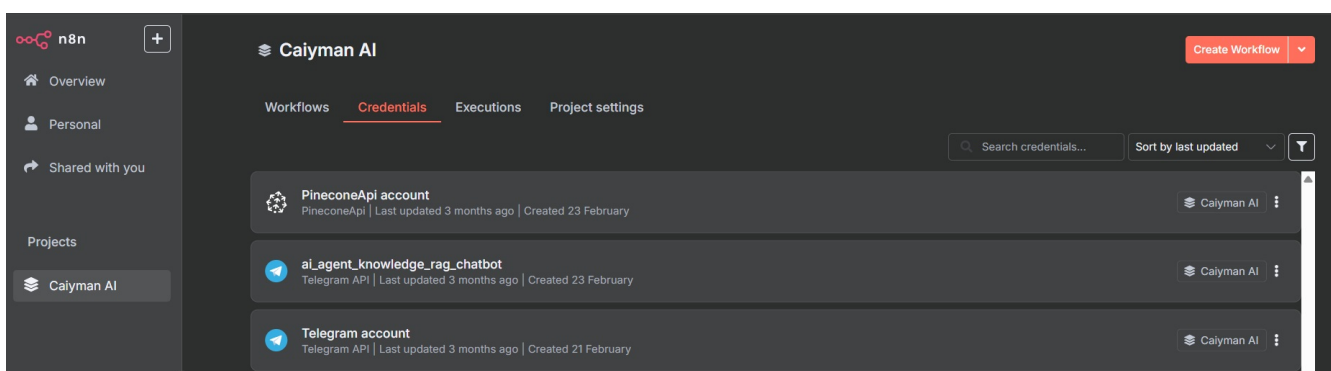
Step 1: n8n Account & Project Setup

1. **Create n8n cloud account** - [Sign up here](#)
2. **Create a dedicated project for the course:**
   - Once logged in, create a new project specifically for this workshop
   - Name it something like "Real Estate AI Worksh op" or "AI Agent Training"
   - **Important:** This keeps your course work separate from personal workflows
   - The instructor will NOT have access to your personal workflows - only this dedicated project
3. **Add course instructor as a user** to your workshop project:
   - Click the three dots in the bottom left corner of the main n8n window → Settings

- Go to the Users tab, and invite me as a user using my email: cayman@caiyman.ai

Step 2: API Keys & Credentials Setup

4. **Obtain required API keys** (create accounts first if needed, then get API keys/tokens):

   - OpenRouter - Create account → Get API key
   - Pinecone - Create account → Get API key
   - Google Cloud Console - Enable APIs for: Drive, Gmail, Sheets, Docs, Calendar, Tasks
   - Tavily - Create account → Get API key
   - Perplexity - Create account → Get API key
   - Firecrawl - Create account → Get API key
   - Telegram - Create account only (no API key needed)

5. **Add all credentials to your workshop project:**

   - Navigate to the "Credentials" tab in your workshop project
   - Add each API key as a separate credential with descriptive names
   - Test each credential to ensure proper connectivity
   - **Security Note:** Credentials are project-specific and encrypted by n8n

Pre-Course Learning Resources

- **n8n Blog** - Latest updates and tutorials
- **n8n LLM Agents Guide** - Deep dive into AI agents
- **How to Build AI Agent** - Step-by-step guide
- **RAG Chatbot Tutorial** - Build intelligent chatbots
- **n8n Community Forum** - Get help and share ideas

- [**Official n8n Beginner Course**](#) - **HIGHLY RECOMMENDED** foundational video series

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Course Curriculum

Morning Session (9:00 AM - 12:00 PM)

Module 1: Foundation & Context (45 min)

- Welcome, introductions, and AI agents overview
- Understanding AI agents vs. basic AI tools
- Real estate transformation opportunities

Module 2: Hands-On Foundation (60 min)

- Build your first workflow: Personal Real Estate Assistant
- Core concepts: Variables, data types, connections

Break (15 min)

Module 3: Building Core Automation Systems (60 min)

- Applying AI to Core Business Processes (e.g., Lead Management)
- Developing Automated Intelligence Workflows

Lunch Break (12:00-2:00 PM)

Afternoon Session (2:00-4:00 PM)

Module 4: Advanced Data Handling & Applications (60 min)

- Working with Documents and Custom Knowledge (RAG)
- Automating Marketing and Client Outreach

Module 5: Multi-Agent Systems & Scaling (45 min)

- Multi-agent architecture demonstration
- Implementation planning for your business

Module 6: Wrap-Up & Next Steps (15 min)

- Q&A, resources, and continued learning paths

Real Estate-Specific Workflow Templates

Core Templates (To Be Determined)

This workshop will include several hands-on sessions where we build practical, real estate-specific workflow templates from scratch. The final list of templates will be curated to provide maximum value and will be announced closer to the course date. Examples of potential areas we'll cover include:

- Lead Nurturing & Follow-Up
- Automated Market Analysis
- Client Communication & Support
- Transaction & Document Coordination

Course Materials

PowerPoint Presentations

1. **"AI Agents: The Real Estate Revolution"** (15 slides)
2. **"n8n Fundamentals for Real Estate"** (20 slides)
3. **"ROI Case Studies in Real Estate AI"** (10 slides)

Hands-On Resources

- Step-by-step workflow building guides
- Troubleshooting quick reference card
- API configuration cheat sheet
- Real estate prompting best practices

Your Success Journey

What You'll Accomplish During the Workshop

- Complete hands-on exercises to build foundational workflows
- Deploy your first 3-5 working AI automation systems
- Gain confidence in no-code AI development and a framework for future projects

Continued Growth After the Workshop

- Implement the systems and patterns learned in your daily business operations. Building robust, production-ready workflows is an iterative process that requires tinkering and refinement, and this course will give you the perfect starting point.
- Track efficiency gains and ROI from your new AI workflows
- Qualify for advanced training and certification programs
- Connect with fellow real estate professionals in our community

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Important Links

n8n Resources

- **n8n Homepage:** https://n8n.io/
- **n8n Documentation:** https://docs.n8n.io/
- **n8n Cloud Sign Up:** https://app.n8n.cloud/register
- **n8n GitHub Repository:** https://github.com/n8n-io/n8n
- **Official n8n Beginner Course:** https://www.youtube.com/playlist?list=PLlET0GsrLUL59YbxstZE71WszP3pVnZfI

Additional Resources

- **Caiyman AI Website:** https://www.caiyman.ai/
- **Dr. Seagraves Academic Profile:** https://www.caymanseagraves.com/

Beyond the Workshop: Let's Continue Your AI Journey

After completing this intensive workshop, you'll have built a strong foundation in AI automation for real estate. But this is just the beginning!

Ongoing Support & Collaboration Opportunities

I'm available for additional assistance and consulting to help you expand and optimize your AI automation systems. Whether you need help with advanced workflows, custom implementations, or strategic AI planning for your business, I'm here to support your continued success.

Open to Partnership & Innovation: I welcome opportunities to collaborate on new AI projects, real estate technology ventures, and innovative automation solutions. If you have ideas for improving real estate processes through AI, let's explore them together.

Flexible Engagement Options: From quick consulting calls to comprehensive business transformations, I offer a variety of support options tailored to your specific needs and goals.

Ready to take your AI automation to the next level? Let's discuss how we can work together to revolutionize your real estate business through intelligent automation.

Pre-Workshop Preparation Reminder

Core Topics We'll Cover

- AI agents simplified: What they are and how they differ from basic AI
- Building workflows with n8n (no coding required)
- Real estate-specific automation templates
- RAG (Retrieval Augmented Generation) for contract analysis
- Multi-agent architectures for complex workflows
- API connections and integrations
- Implementation strategies for your business

⚠ **IMPORTANT:** Complete all technical setup before the workshop to maximize your hands-on learning time!

Contact

For questions or technical support before the course:
Email: cayman@caiyman.ai
Website: https://www.caiyman.ai/

This course is designed to be the launchpad that transforms how real estate professionals leverage AI for competitive advantage. Join us to build the future of your real estate business!