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Automate with AI

Teach your engineers to build AI workflows and agents that connect to real tools and run in the business.

LEVEL 2 | 25 participants | Virtual or F2F | 8 hours

Why do you need this?

Your engineers can use AI to write code. The next step is building AI that works on its own.

Agents that connect to your APIs, pull data from your systems, remember previous interactions, and trigger actions in the tools your teams already use.

Most organizations have a backlog of manual workflows that could be automated but never get prioritized. AI agents change that. What used to take weeks of integration work can now be prototyped in hours and shipped in days.

Business Outcomes

- Faster automation prototypes that validate ideas in days, not weeks of integration work.
- Reduced time on recurring manual tasks by turning them into reliable AI-powered workflows.
- New capabilities for non-technical teams through agents triggered via message, UIs, or schedules.
- Safer automation through skills files, guardrails, and team-owned instruction sets.

By the end of this program you will

1. Design and build AI agents that connect to real services via APIs, MCP, and webhooks.
2. Write skills and instruction files that control how agents behave and what they can access.
3. Add memory systems so agents retain context across interactions.
4. Deploy agents with usable triggers so anyone on the team can run them.

40% of enterprise apps will include AI agents by end of 2026 Gartner

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How it works

- A full-day, hands-on workshop built around real coding tasks, not slides about theory.
- Tool-agnostic: works with Cursor, Claude Code, Codex.
- Two expert facilitators who use these tools daily in production environments.
- Every module pairs a live demo with a hands-on coding exercise.
- Developers work in their own IDE/terminal setup throughout, so everything transfers immediately.
- Adapted to your team's tech stack, coding standards, and AI maturity level.
- Includes a takeaway playbook with reusable instruction files and workflow templates.

Application Task

Participants work individually to build a working agent throughout the day. For example:

- A lead enrichment agent that pulls data from multiple sources.
- A customer support bot trained on your doc.
- An internal knowledge agent that answers employee questions.

Every module is applied to this integrated project, using real services and real data.

Programme Breakdown

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Intro and The State of AI Agents

A quick pulse on your team's experience, followed by a look at the current landscape of agent frameworks, agentic systems, and what's actually shipping in production.

Module 1: Agent Fundamentals

How agents work: tools, planning, execution loops, and the difference between simple workflows and autonomous agents. What makes an agent reliable vs brittle.

Module 2: Connecting to Services

Wire agents up to real data and services using APIs, MCP servers, and webhooks. The skill is orchestration, regardless of the connector.

Module 3: Memory and Context

Add memory systems so agents retain context across conversations and sessions. Understand when to use short-term, long-term, and retrieval-based memory.

Module 4: Skills and Instruction Files

Write skills files and instruction sets that control agent behaviour, enforce guardrails, and make agents predictable and safe enough for production use.

Module 5: Triggers and Frontends

Make agents usable by people who didn't build them. Wire up Slack commands, simple web UIs, scheduled triggers, or webhook endpoints so anyone can run the automation.

Module 6: Demo and Commitments

Teams demo the agents they've built throughout the day to each other. Share concrete next steps: Now (1 week), Next (3 months), Long-term.

Takeaways

Automate with AI Playbook with reusable agent patterns, example skills files and a prioritized automation roadmap.