HIREABLE WITH AI · SESSION 1 OF 3

AI Engineering vs Agentic Engineering

For Experienced Developers

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Who I Am

100,000+

I'm Alexey Grigorev. I have taught more than 100,000 students in DataTalks.Club courses.

Who This Session Is For

- Developers with 2+ years of experience
- Laid off, in a notice period or looking for a job
- You already ship code at work, so I skip the basics

15 to 20 minutes of talk, then your questions

Two Definitions

AI Engineering

Building apps that use LLMs, like chatbots, search over documents or agents.

Agentic Engineering

Using tools like Claude Code or Cursor to write most of the code, while you decide what to build and check the result.

How They Are Different

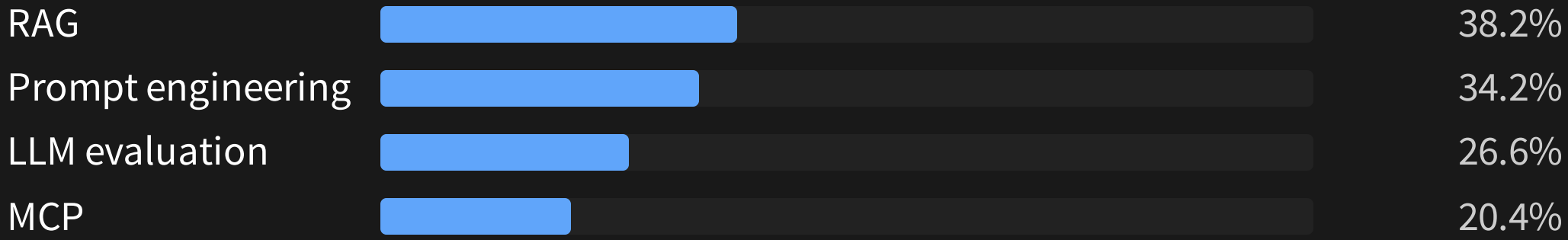
	AI Engineering	Agentic Engineering
Is about	**What** you build	**How** you build
You build	A product with an LLM inside	Any product
Hard part	Making the LLM reliable	Checking the agent's code

They Overlap

An AI engineer uses coding agents too.

An agentic engineer can build anything,
including apps with LLMs.

What Companies Want: AI Engineering



Share of postings, Nov 2026. 9,760 postings from builtin.com.
Source: AI Engineering Field Guide, role/07-trends.md

They Hire Builders, Not Model Trainers

91.7%

of AI first jobs are about RAG, agents and APIs

Up from 80.0% in Feb 2026. Source: AI Engineering Field Guide, role/07-trends.md

What It Looks Like in Real Postings

- Build RAG systems and agents
- Build evaluation and testing
- Ship production APIs

Backend engineering with an LLM inside

Source: AI Engineering Field Guide, role/03-responsibilities.md

What Companies Want: Coding Agents

7.6% → 13.6%

of postings list Claude Code, Copilot, Cursor or Codex

Feb to Nov 2026. Source: AI Engineering Field Guide, role/08-trends-appendix.md

What I See

- Using agents is assumed
- You write the spec and the tests
- You own every line in production

Which One to Pick

Backend	AI Engineering
Frontend	Agentic Engineering
Data	AI Engineering

Everyone: learn agentic engineering anyway

What to Do in the Next Weeks

Build one portfolio project

Backend	Search assistant over docs, with evaluation
Frontend	Full stack app built with Claude Code
Data	Duplicate issue detector with embeddings

Source: AI Engineering Field Guide, portfolio/07-project-ideas.md

How to Get a Bildungsgutschein

1. Talk to your Agentur für Arbeit or Jobcenter counsellor early
2. Pick a training that is AZAV certified
3. The counsellor decides

arbeitsagentur.de/karriere-und-weiterbildung/bildungsgutschein

DataTalks.Club Academy

Agentic Engineering and AI Engineering

3 months, full-time, live, in English
Berlin or live online · 15 seats · Start: April 2027

Designed for Bildungsgutschein funding (AZAV), coming soon

If Your Counsellor Says: German First

- B2 is "usually" expected, not required by law
- Bring job ads in English for your target role
- Show a plan for your German
- If it's a no, ask for it in writing (Bescheid)

Source: BA Umsetzungshinweis 2/2026 ("i.d.R. B2") and Fachliche Weisungen FbW. Not legal advice.

Next Sessions

Hireable With AI, free, on Zoom, Berlin time

Monday 30 November, 17:00

How I Build Software with Claude Code and Other Coding Agents

Tuesday 15 December, 16:30

AI Engineering for Experienced Developers: How to Build Apps on Top of LLMs

Get the summary and materials



datatalks.club/academy/sessions/materials