upside.

Let Your Software Write Its Own Code

Runtime Code Generation in Production

Rafal Cymerys, Berlin.rb 12th October 2026

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Using AI for Just 10 Minutes Erodes Your Ability to Persist at Hard Things

October 9, 2026

By: Jason Pohl

A UC Berkeley researcher co-authored a study that raises profound questions about how we interact with artificial intelligence in education — and daily life.

BBC

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Will your job be replaced by AI? Here are the roles most affected

Stanford | Institute for Economic Policy Research (SIEPR)

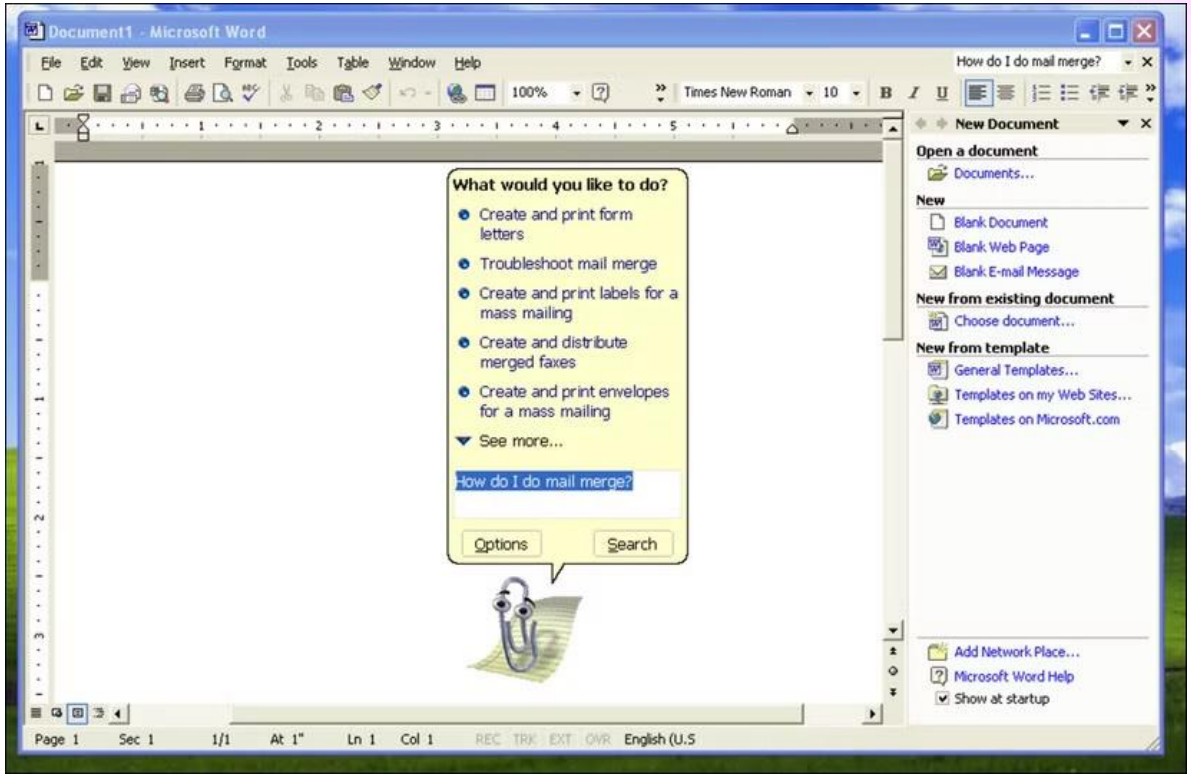
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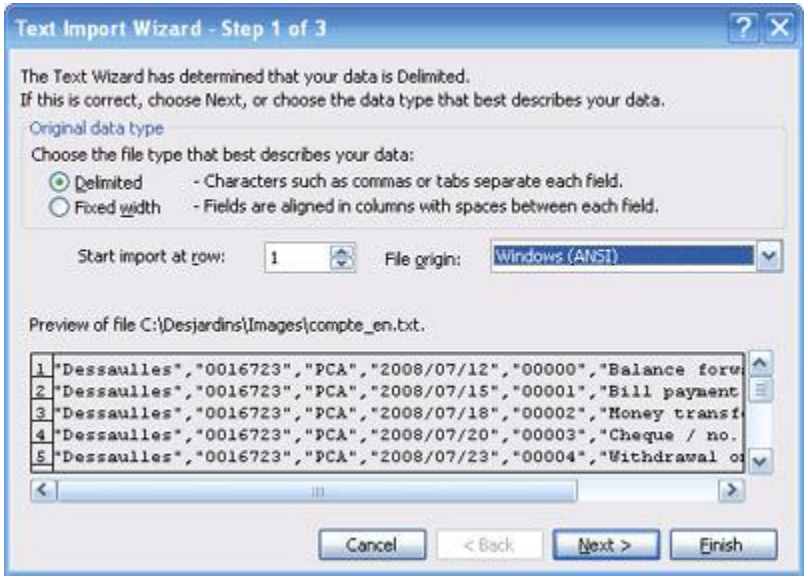
Publication

What is really happening to jobs? Separating AI hype from reality

Let’s talk about engineering


Document1 - Microsoft Word
File Edit View Insert Format Tools Table Window Help
How do I do mail merge?
100%
Times New Roman
10
What would you like to do?
Create and print form letters
Troubleshoot mail merge
Create and print labels for a mass mailing
Create and distribute merged faxes
Create and print envelopes for a mass mailing
See more...
How do I do mail merge?
Options
Search
New Document
Open a document
Documents...
New
Blank Document
Blank Web Page
Blank E-mail Message
New from existing document
Choose document...
New from template
General Templates...
Templates on my Web Sites...
Templates on Microsoft.com
Add Network Place...
Microsoft Word Help
Show at startup
Page 1 Sec 1 1/1 At 1" Ln 1 Col 1 REC TRK EXT OVR English (U.S

Classic Example - CSV Import



Classic Example - CSV Import

The System

- Understands limited formats
- Structured data
- Validations
- Little flexibility

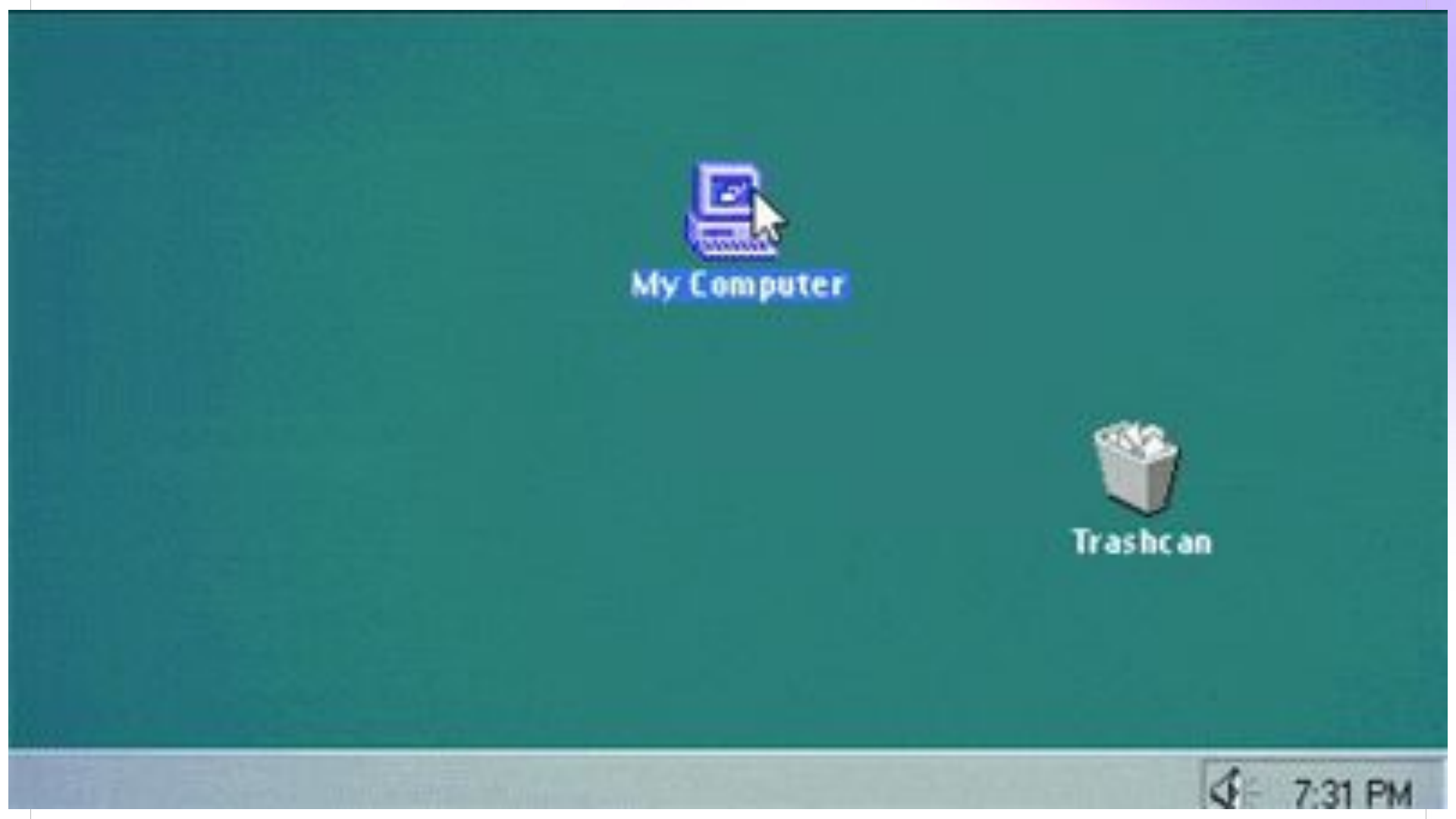
The User

- Got the data somewhere
- Doesn’t want to spend too much time on import

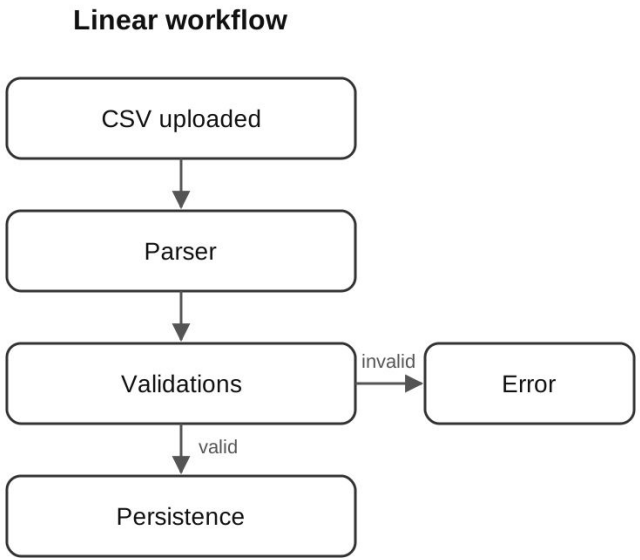
Typical solutions

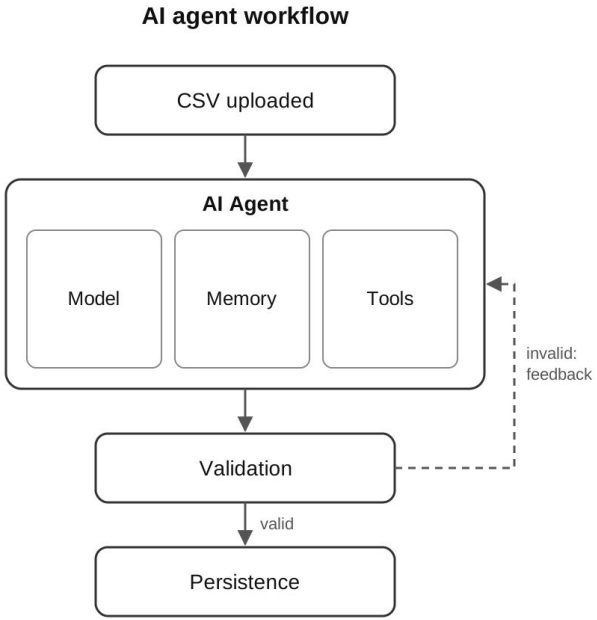
Option A - Build a complex drag-and-drop importer with heuristics

Option B - Give them a template XLSX file to fill out

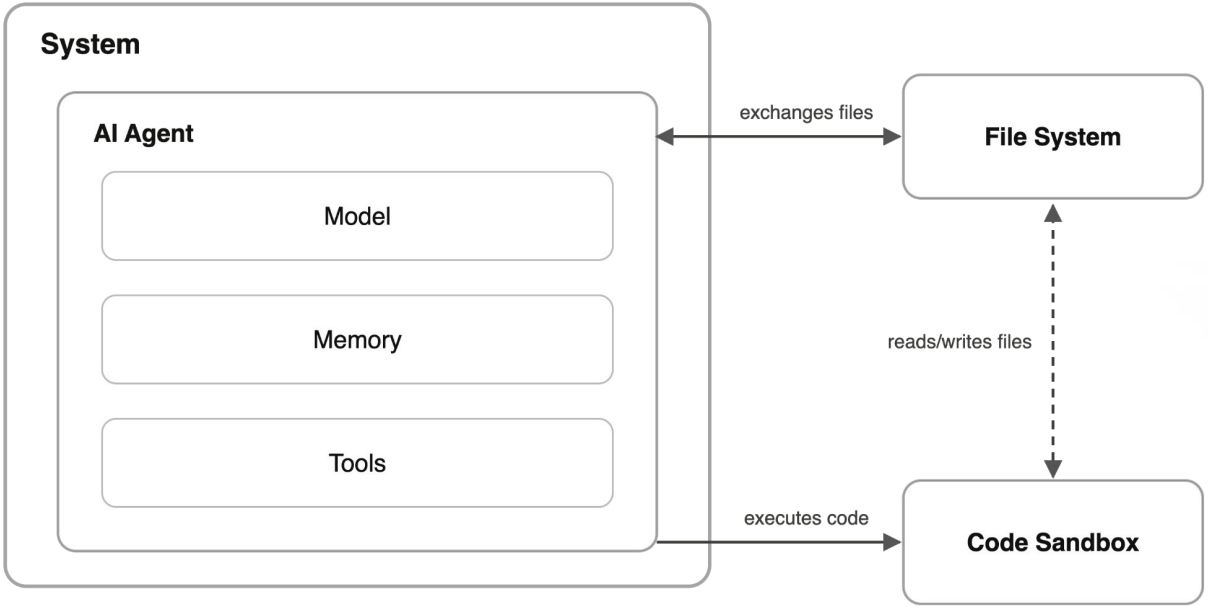

My Computer
Trashcan
7:31 PM

What about AI?





What if the AI could code?



Coding time!

What else can we do?

Key Learnings from Prod. Deployments

The more Stack Overflow examples for the stack, the better

Give the agent generic tools, don’t overfit

You absolutely need a sandbox

Don't fine-tune prompts manually, build a pipeline

More resources

Anthropic’s Code Execution Tool Docs:
https://platform.claude.com/docs/en/agents-and-tools/tool-use/code-execution-tool

My sample application:
https://github.com/rafalcymerys/codegen-examples

Thank you

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