The Pragmatic Engineer 2025 Survey: What's in your tech stack?

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The Pragmatic Engineer 2025 Survey: What's in your tech stack?

Which tools do software engineers use for backend development, frontend, infrastructure, AI tooling, and more, today? Reader survey, with feedback and analysis, based on 3,000+ responses

GERGELY OROSZ AND ELIN NILSSON
JUL 15, 2025

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"Which tools do software engineers use for backend development, frontend, infrastructure, AI tooling, and more, today? Reader survey, with feedback and analysis, based on 3,000+ responses"

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To be a better programmer, write little proofs in your head

https://the-nerve-blog.ghost.io/to-be-a-better-programmer-write-little-proofs-in-your-head/

Nerve Ideas

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By Matthew Prast
14 Jul 2025 — 14 min read

To be a better programmer, write little proofs in your head

This is a brief write-up of a trick I learned that helps me write code faster and more accurately. I say "trick", but it's really something I started to do without noticing as I moved further into my career.

When you're working on something difficult, sketch a proof in your head as you go that your code will actually do what you want it to do. A simple idea, but easier said than done: doing this "online" without interrupting your flow takes a lot of practice. But once you get really good at it, you'll find that a surprising amount of the time your code will work on the first or second try. It feels a little magical.
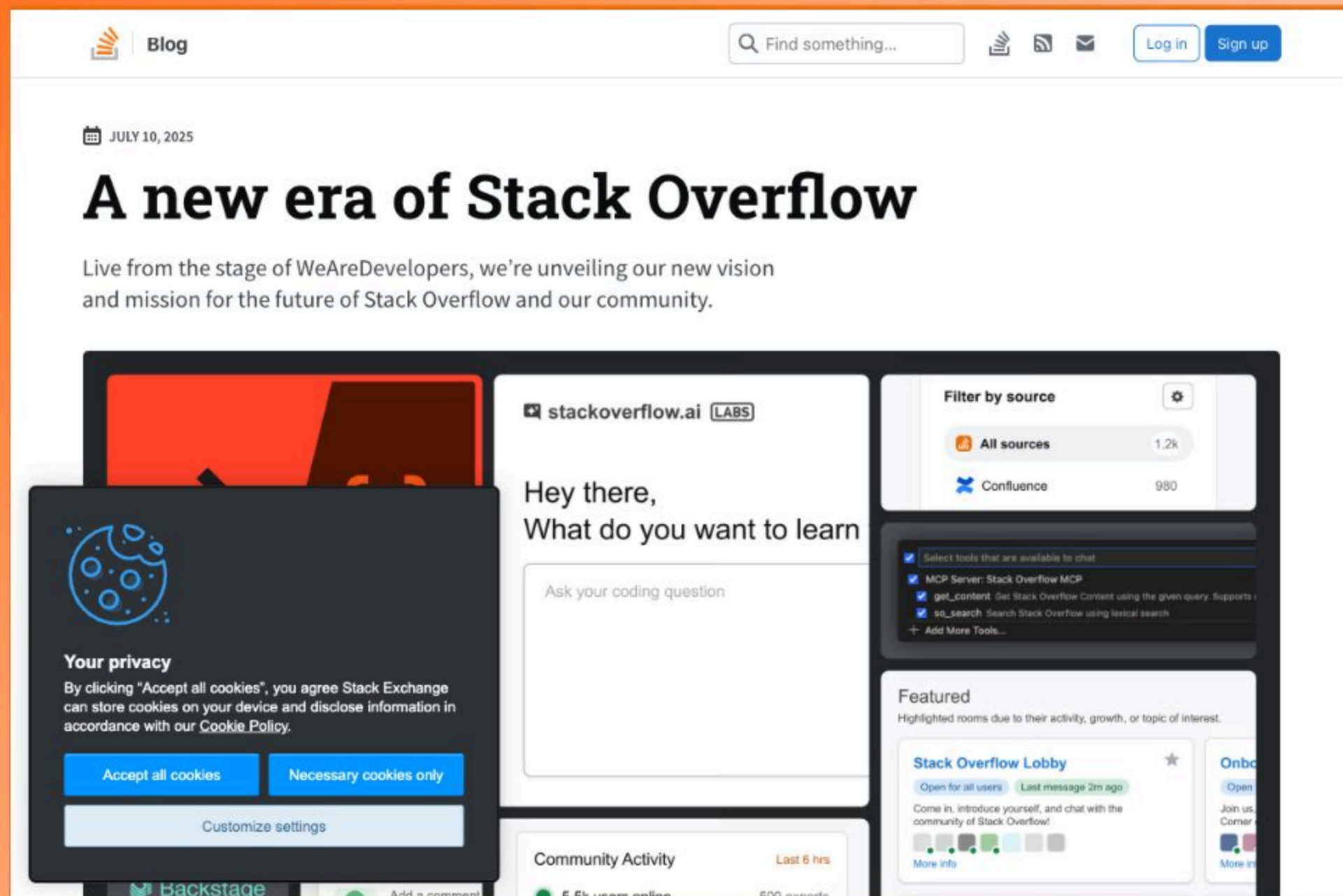
There are lots of ways to pull this off, and I don't want to be too prescriptive. I'll just list a few examples of the kinds of things I

A new era of Stack Overflow - Stack Overflow

https://stackoverflow.blog/2025/07/10/a-new-era-of-stack-overflow

"Every year for the last three years, we've shared major announcements from the mainstage of WeAreDevelopers World Congress in Berlin at pivotal moments in our journey. In 2023, we launched OverflowAI, our flagship AI initiative for our users and enterprise customers, while last year, we revealed our vision for the Knowledge as a Service model and high-quality, trusted data as the currency that will define the new era of the internet. 2025 so far has been a year marked by significant experimentation and evolution for us as a company and exploration of how we can continue to be of service to the world's technologists. At the beginning of the year, we along with our Head of Community Philippe Beaudette held our first ever live AMA ('Ask Me Anything') session, when we shared our plans to introduce new features and formats of engagement for our users, and hear directly from some of our community members. In that same spirit, today on the WeAreDevelopers stage we unveiled our new vision, mission statement, and the latest product updates for our public platform users and enterprise customers. We wanted to provide a bit of a peek behind the curtain on our future and why Stack Overflow remains the most vital source for technology enthusiasts around the world."

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Success is an output you can't control. Here's what to focus on instead.

STEVE HUYNH
JUL 16, 2025

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More details on Big Sleep and our latest security work:

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Reflections on OpenAI

Calvin French-Owen / Writing   About   Writing   Bookshelf

Reflections on OpenAI

JUL 15, 2025

I left OpenAI three weeks ago. I had joined the company back in May 2024.

I wanted to share my reflections because there's a lot of smoke and noise around what OpenAI is doing, but not a lot of first-hand accounts of what the culture of working there actually *feels like*.

Nabeel Qureshi has an amazing post called Reflections on Palantir, where he ruminates on what made Palantir special. I wanted to do the same for OpenAI while it's fresh in my mind. You won't find any trade secrets here, more just reflections on this current iteration of one of the most fascinating organizations in history at an extremely interesting time.

To put it up-front: there wasn't any personal drama in my decision to leave–in fact I was deeply conflicted about it. It's hard to go from being a founder of your own thing to an employee at a 3,000-person organization. Right now I'm craving a fresh start.
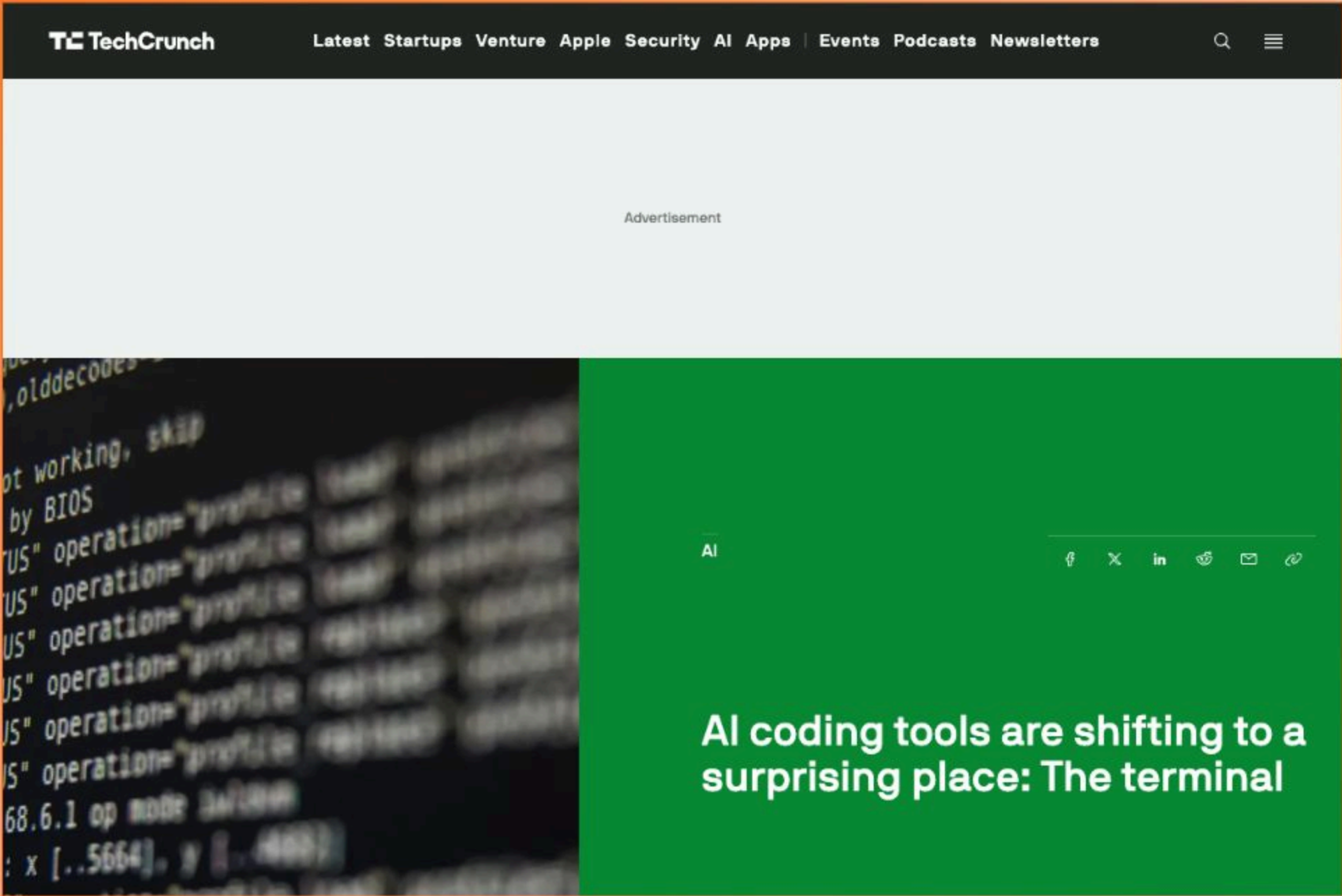
It's entirely possible that the quality of the work will draw me back. It's hard to imagine building anything as impactful as AGI, and LLMs are easily the technological innovation of the decade. I feel lucky to have seen some of the developments first-hand and also been a part of the Codex launch.

"I left OpenAI three weeks ago. I had joined the company back in May 2024."

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AI coding tools are shifting to a surprising place: The terminal I TechCrunch

"For years, code-editing tools like Cursor, Windsurf, and GitHub's Copilot have been the standard for AI-powered software development. But as agentic AI grows more powerful and vibe-coding takes off, a subtle shift has changed how AI systems are interacting with software."

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