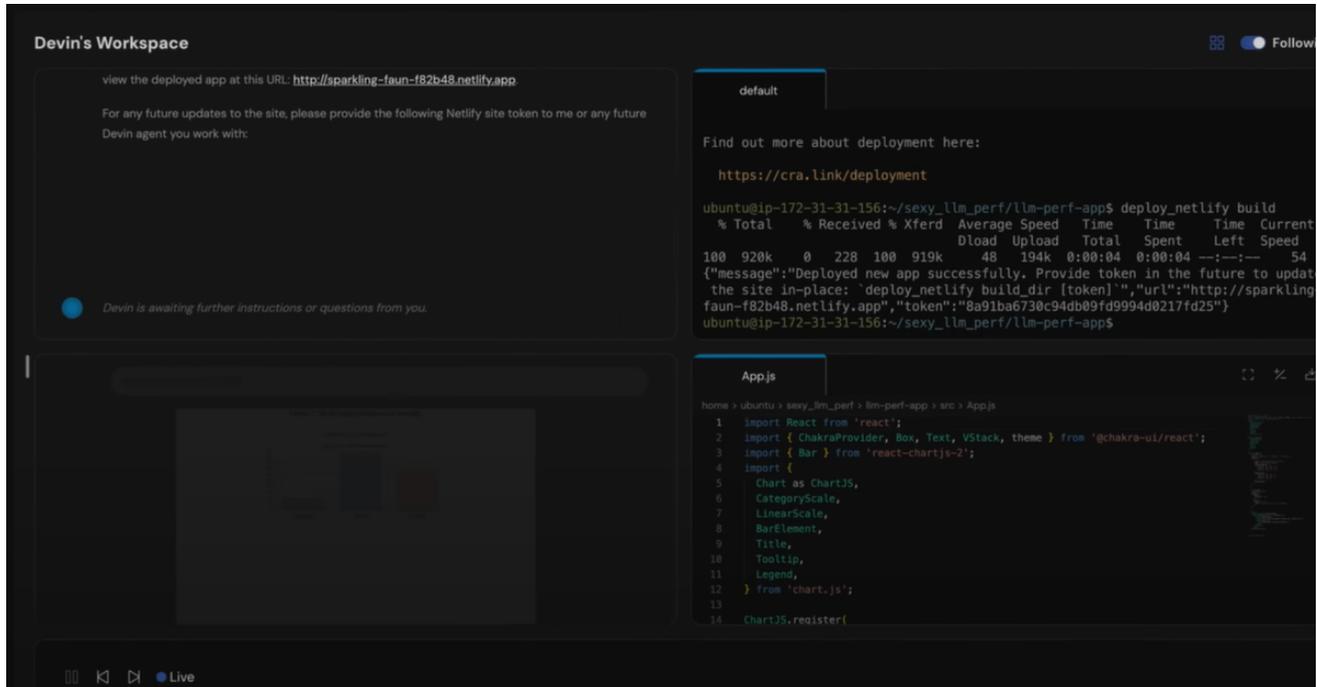


Devin: AI Software Engineer that Codes Entire Projects from Single Prompt

AI aibusiness.com/automation/ai-software-engineer-devin-codes-entire-projects-from-single-prompt



Ben Wodecki, Jr. Editor

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At a Glance

- AI startup Cognition develops an AI software engineering platform that can automate entire projects.
- Devin has impressed big names in AI, like former Tesla AI director Andrej Karpathy.
- Well-funded by Peter Thiel and tech leaders, Cognition plans to offer early access to Devin for engineering teams soon.

An AI startup has launched what it claims to be the world's first AI software engineer.

Cognition AI has unveiled Devin, an autonomous agent that can plan and execute complex software engineering tasks from a single prompt.

Housed in its own sandbox environment, Devin can solve tasks using its own code editor and web browser. It can even recall relevant context, learn over time and fix mistakes. For example, Devin can benchmark an AI model on different APIs.

Cognition showcased the model testing Meta's Llama 2 on Replicate, Perplexity and Together. The system was able to build the entire project, even fixing errors.

Businesses could use Devin to build and deploy web apps, fix bugs in codebases and even train and finetune AI models.



Watch Video At: <https://youtu.be/fjHtjT7GO1c>

Cognition is not marketing Devin as a replacement for human software engineers, describing it as a “teammate.”

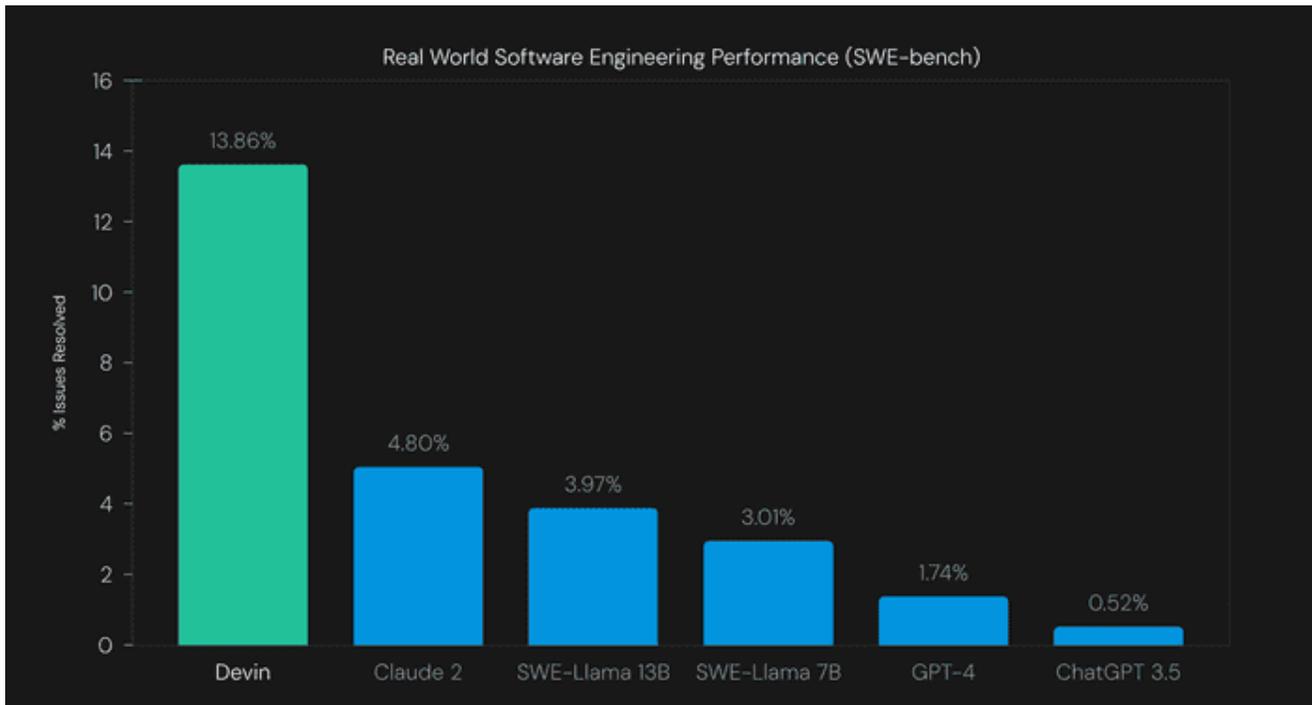
Devin reports its progress in real time and works with human engineers, accepting feedback on projects.

“With Devin, engineers can focus on more interesting problems and engineering teams can strive for more ambitious goals,” Scott Wu, Cognition’s co-founder and CEO, wrote in a [blog post](#).

Outperforms Major Models

Cognition evaluated Devin on [SWE-bench](#), a benchmark that tasks agents to solve issues on software engineers would typically find in open-source projects.

Devin correctly resolved 13.86% of issues end-to-end, outperforming specialized coding models like SWE-Llama and large language models like OpenAI’s GPT-4 and Anthropic’s Claude 2.



Credit: Cognition AI

A dedicated technical report will launch “soon,” Wu confirmed in his blog post.

How to Access Devin

Devin is not currently publicly available. Wu said in his blog post that it is currently in early access as Cognition “ramp up capacity.”

For those interested in using Devin for engineering work, you will have to reach out to Cognition directly via [email](#) or through the [contact form](#).

Who is Cognition AI?

Cognition unveiled Devin and blew up overnight. Its [announcement post](#) on X (Twitter) has amassed 24 million views and counting.

The startup was founded in November 2023 and has already secured \$21 million in funding led by Peter Thiel’s Founders Fund.

The likes of Fred Ehrsam, founder of crypto platform Coinbase, DoorDash CEO Tony Xu and serial tech investor Elad Gil are among those backing Cognition.

Upon its reveal, Devin caught the attention of some big names in AI. Former Tesla AI director AI Andrej Karpathy [described Devin](#) as “an impressive demo” and Perplexity founder Aravind Srinivas said it “seems to cross the threshold of what is human level and works reliably.”

Though not everyone was impressed, one user pointed out that the startup used Google Forms for its onboarding, instead of using Devin to create one.

About the Author

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Jr. Editor

Ben Wodecki is the Jr. Editor of AI Business, covering a wide range of AI content. Ben joined the team in March 2021 as assistant editor and was promoted to Jr. Editor. He has written for The New Statesman, Intellectual Property Magazine, and The Telegraph India, among others. He holds an MSc in Digital Journalism from Middlesex University.
