

October 2024

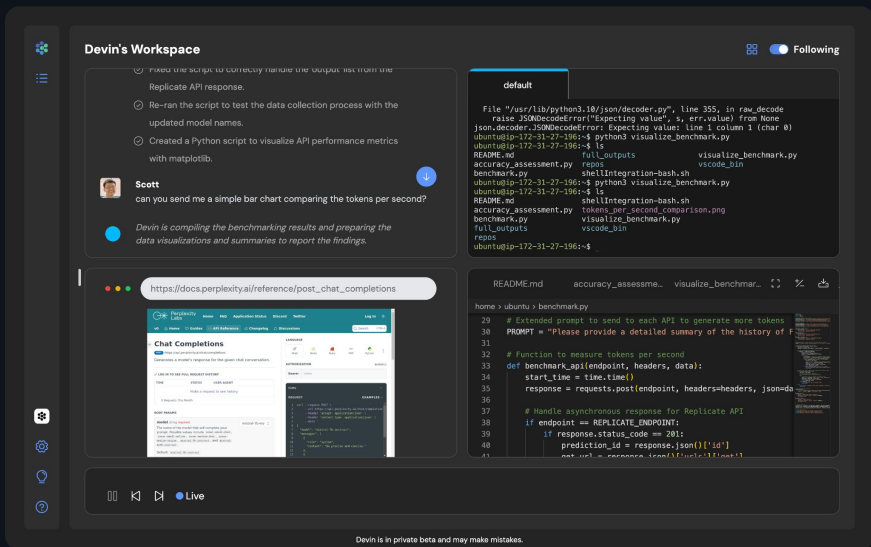


Cognition

Confidential

What would you build with
an infinite army of **junior**
engineers?

Trends in AI Developer tools



1

The first wave of GenAI dev tools:

Text completion

2

The second wave:


Task completion (agents)

Devin is the world's first autonomous AI software engineer

- ▶ Devin's reasoning and planning capabilities allow autonomous, asynchronous work on a wide variety of software engineering tasks.
- ⚙️ Devin can integrate into your work environment via GitHub, Teams, Jira and more.
- ⋮ Devin's UX makes it easy for human engineers to monitor progress, review work or direct progress via its code editor, shell or browser.

Devin is continuously expanding its capabilities to address new use cases.

Devin's Workspace

Following 

Shell Browser Editor  Planner

vim_playwright_out... vim_playwright_scr... vim_scraper.js

```
home > ubuntu > vim_playwright_output.csv
1  command,description
2  :h[elp] keyword,- open help for keyword
3  :sav[eas] file,- save file as
4  :clo[se],- close current pane
5  :ter[minal],- open a terminal window
6  K,- open man page for word under the cursor
7  h,- move cursor left
8  j,- move cursor down
9  k,- move cursor up
10 l,- move cursor right
11 gj,- move cursor down (multi-line text)
12 gk,- move cursor up (multi-line text)
13 H,- move to top of screen
14 M,- move to middle of screen
15 L,- move to bottom of screen
16 w,- jump forwards to the start of a word
17 W,- jump forwards to the start of a word (words can contain punctuation)
18 e,- jump forwards to the end of a word
19 E,- jump forwards to the end of a word (words can contain punctuation)
20 b,- jump backwards to the start of a word
21 B,- jump backwards to the start of a word (words can contain punctuation)
22 ge,- jump backwards to the end of a word
23 gE,- jump backwards to the end of a word (words can contain punctuation)
24 %,,"- move cursor to matching character (default supported pairs: '()', '{}', '[]' - use
25 0,- jump to the start of the line
26 ^,- jump to the first non-blank character of the line
27 $,- jump to the end of the line
28 g_,- jump to the last non-blank character of the line
29 gg,- go to the first line of the document
30 G,- go to the last line of the document
31 5gg,or 5G - go to line 5
32 gd,- move to local declaration
33 gD,- move to global declaration
34 fx,- jump to next occurrence of character x
35 tx,- jump to before next occurrence of character x
36 Fx,- jump to the previous occurrence of character x
37 Tx,- jump to after previous occurrence of character x
38 ;,- repeat previous f, t, F or T movement"
39 ",,"- repeat previous f, t, F or T movement, backwards"
```

The Cognition Team

Cognition was founded by a team with 10 IOI gold medals that has worked at the cutting edge of applied AI.

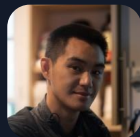
To support its mission Cognition raised \$225M from top investors like Founders Fund and Khosla Ventures.



Scott Wu
Co-founder & CEO



Walden Yan
Co-founder & CPO



Steven Hao
Co-founder & CTO






Russell Kaplan
Founding President



Case study

Large bank in Latin America

-  Devin delivered a data ETL migration and refactor affecting 500k+ lines of code.
-  The company estimated the project would take 6+ months for an internal team of 50 engineers.
-  With Devin they achieved the migration in 1/3rd the time for less than 1/10th the cost.

8.2x

Efficiency gain for developers

65,000

Files modified and/or migrated

50+

Engineering FTE saved



Proven at Enterprise Scale

“Devin is an absolutely
amazing tool”

Kevin Scott, Microsoft CTO

Use Cases

Code migrations & refactors

- Language migrations
- Large refactors
- Version upgrades
- Codebase restructuring

Bug & issue triage

- Automated on-call response
- Ticket resolution
- CI/CD autotriage

Testing

- Generate code coverage reports
- Improve test coverage
- Browser-based QA testing

Code modernization

- Technical debt
- On-prem to cloud or cloud-to-cloud modernization
- Large-scale lint or warning fixes

Data engineering

- Data warehouse migrations
- ETL development
- Data cleaning and preprocessing

And much more...

- Maintain documentation
- Build SaaS integrations
- Implement frontend features
- Self-host and test applications

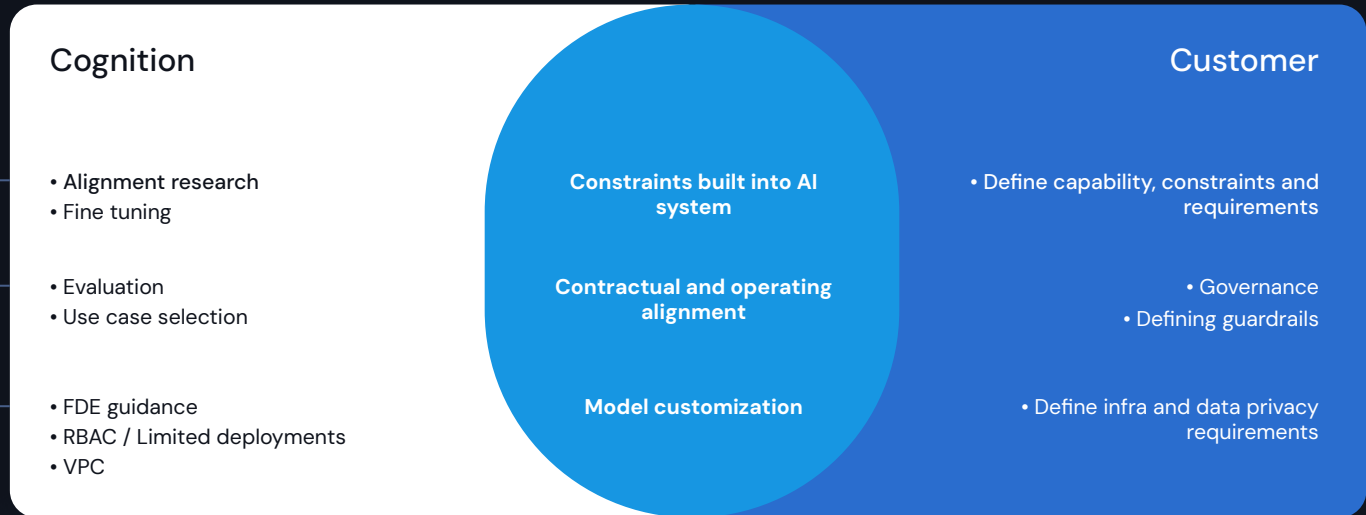
Cognition combines the capabilities of an AI Research Lab with the focus of an Enterprise SaaS company building for code development.

Collaboration framework

Model Risk Management

Compliance & regulations

Data privacy



We want Devin to be a productive contributor to your codebase. Security, data privacy and intellectual property protections are critical to make this possible.

Security

- All data transmitted to Devin is encrypted in transit and at rest.
- Access to our cloud environment is granted on an as-required basis following the principle of least privilege.
- Multi-factor authentication is required on all main work applications.
- Cognition is SOC 2 Type I and Type II certified.

Data ownerships

- All inputs and outputs are your intellectual property.
- We do not train using your business data. At your request and with your consent, we will fine-tune customer-specific models to improve your experience with Devin.
- You control how long your data is retained.

Data controls

- We maintain strict, fine-grained access control on all your data.
- You may need to provide Devin with credentials. Our Secrets feature stores and encrypts credentials securely.
- Devin Enterprise deployments can be configured to save no Customer Data at rest outside the customer's VPC.

Guardrails for Agents

Principle: support both **hard controls** and **soft controls**.

Add new secret ✕

Key	Value
<input type="text"/>	<input type="password"/>

Save in [Library](#) for future sessions (anyone in the organization will have access)

[Add](#)

Hard controls:

- Secrets management: read privileges instead of write privileges.
- SAll code changes must be approved by a human PR reviewer.

Forbidden Actions

- Do NOT try to access github.com through the browser, you will not be authenticated.
- NEVER force push on branches! Prefer merging over rebasing so that you don't lose any work.
- Do NOT push directly to the main branch.

Soft controls:

- "Forbidden actions".

What will you build
with Devin?