



## Replit: From idea to application in minutes

Get started for free

### GOOGLE CLOUD RESULTS

- ✓ Accelerates development of an AI agent that enables users to create working applications in minutes
- ✓ Supports more than 35 million developers and over 100,000 applications through [Cloud Run](#)
- ✓ Enables anyone in the world to deploy their personal or business application on [Google Cloud infrastructure](#)

Replit adopted Anthropic's updated Claude 3.5 Sonnet on Google Cloud's Vertex AI to power Replit Agent, which allows anyone from anywhere in the world to use natural language prompts to

take an idea to application regardless of coding experience.



## Making anyone a developer

“Our AI agent is made more powerful through Anthropic's Claude models running on Vertex AI. This integration allows us to easily connect with other Google Cloud services, like Cloud Run, to work together behind the scenes to help customers turn their ideas into apps.”

Amjad Masad  
Founder and CEO,  
Replit

[Replit](#) is on a mission to empower a billion software creators worldwide by making application development radically more accessible. The company's easy-to-use platform encourages anyone with a great idea to program an app. Whether people have years of coding experience or none, they can hop onto their computer, tablet, or even smartphone to take an idea from concept to application all on the Replit platform.

Transforming an idea into a working application involves much more than just writing code. Users need to navigate complex tasks like setting up development environments, provisioning databases, establishing file structures, running tests, and moving completed code into production. Even with modern AI assistants, the journey from idea to working application can still be too complex for non-developers.

"We started this year saying we need to make programming 10x easier," explains Amjad Masad, CEO and Co-founder of Replit.

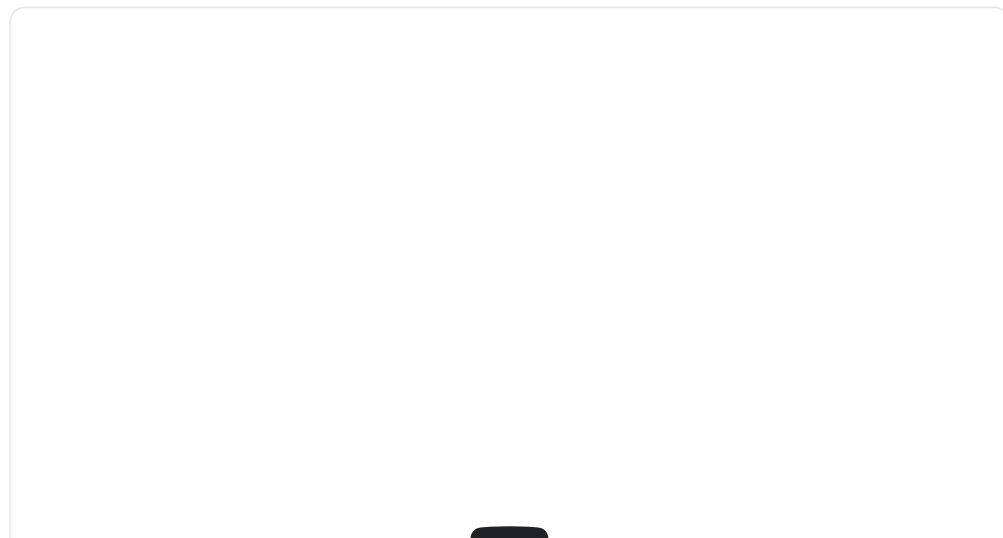
To alleviate these technical barriers, Replit developed Replit Agent, an AI-powered agent that takes a natural language prompt, sets up the development environment, generates code and files, and tests the application, ending in an application that can be deployed to Google Cloud with just a few clicks.

Replit chose to power Replit Agent with Anthropic's updated Claude 3.5 Sonnet model running on Vertex AI due to the model's superb performance on code generation and code editing tasks. Claude also excelled at chaining multiple requests, making it ideal for coding applications where the model needs to edit files and auto-refactor simultaneously as it builds out the code. According to Replit, the updated Claude 3.5 Sonnet delivered such a jump in the ability to code and reason that Replit accelerated its product roadmap for Replit Agent.

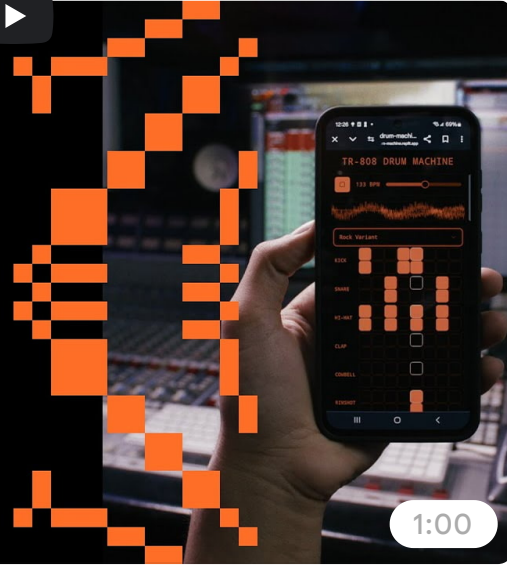
Replit also leverages the speed and efficiency of Gemini 1.5 Flash to power additional AI features. This includes Replit Assistant, a tool that works alongside Replit Agent to help users improve code, fix errors, and build new features.

By using Claude and Gemini models, Replit Agent and Replit Assistant can tackle complex tasks, saving users hours or even weeks of time spent on coding, debugging, and troubleshooting. For example, users can ask the agent to complete complex tasks like: "Create an app that shows a map of local landmarks based on my location."

Replit runs Claude on Vertex AI to scale its agent with Google Cloud's enterprise-grade infrastructure and security. This provides the reliability and performance needed to support Replit's global user base and meet growing customer demand for its agent while keeping costs — and customer subscription fees — reasonable and predictable.



# Make an app for that.



## Revolutionary development tools

Replit started working with Google Cloud several years ago when an outage knocked out its legacy cloud provider. Replit's leadership was impressed by how fast and easy it was to get set up on Google Cloud, but it was the strong support from the Google Cloud team that convinced the startup to switch permanently to Google Cloud. As part of the Google for Startups program, Replit received credit allowances that helped expand the company fast.

As Replit grew into a company with more than 35 million users, Google Cloud provided the balance of scalability and cost-efficiency that Replit needed to not only support its own development and production environments, but also those of its users. Google

**“Everything goes back to customer experiences. Having a better model and better technology means that you can do things faster and cheaper, which customers love. Working with Anthropic and Google Cloud makes our agent more reliable and successful.”**

Michele Catasta

Compute Engine runs  
virtualized containers with  
hundreds of users each.  
Google BigQuery and Cloud  
SQL handle growing data  
stores on the backend.

President, Replit

Cloud Run is the key to bringing users' code from development into production. It automatically builds a production environment, moves the project over, and starts serving it without users needing to understand the technical specifics. To date, tens of thousands of users have deployed on Cloud Run, including projects that have grown into companies now worth tens of millions of dollars.

Masad says, "Using the updated Claude 3.5 Sonnet to quickly create and deploy an app on Cloud Run within your Replit account allows going from idea to app or even business in minutes. That's a huge deal for our business and its users — we've built an end-to-end suite that keeps all tasks in one place."

Looking ahead, Replit envisions a future where software development is accessible to everyone, regardless of technical expertise. Replit continues to expand its platform's capabilities to achieve this, working closely with both Anthropic and Google Cloud.

"Replit has been building toward this mission since 2009," reflects Jeff Burke from Replit's business development team. "AI has taken this to a whole new level and supercharged it. People probably laughed when our CEO first said 'a billion software creators,' but now it's very much on the horizon."

**Replit** is a powerful, simple platform for developing and deploying software. It empowers more than 35 million users to create and innovate regardless of their technical background.

**Industry:** Technology

**Location:** United States

**Products:** [Cloud Run](#), [Vertex AI](#), [Compute Engine](#), [Cloud SQL](#), [BigQuery](#).

**About Google Cloud partner- [Anthropic](#)**

[Anthropic](#) is dedicated to building safer AI systems that people can rely on. Its Claude family of AI models offer speed and performance backed by uncompromising integrity.

Why Google	Products and pricing	Solutions	Resources	Engage
Choosing Google Cloud	Google Cloud pricing	Infrastructure modernization	Google Cloud Affiliate Program	Contact sales
Trust and security	Google Workspace pricing	Databases	Google Cloud documentation	Find a Partner
Modern Infrastructure Cloud	See all products	Application modernization	Google Cloud quickstarts	Become a Partner
Multicloud		Smart analytics	Google Cloud Marketplace	Events
Global infrastructure		Artificial Intelligence		Podcasts
Customers and case studies		Security	Learn about cloud computing	Developer Center
Analyst reports		Productivity & work transformation	Support	Press Corner
Whitepapers		Industry solutions	Code samples	Google Cloud on YouTube
Blog		DevOps solutions	Cloud Architecture Center	Google Cloud Tech on YouTube
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			Release Notes	