

# The Crowdbotics CodeOps Platform

An AI-powered application development platform that delivers on the promise of systematic code reuse at scale

## MORE THAN ENOUGH CODE BUT NOT ENOUGH APPLICATIONS

While the need for more apps grows by the day, most company's capacity to build those apps lags further and further behind.

The good news is that for most new application development projects, up to 70% of the code required has already been written. Some of that code can be found in open-source projects, but most of that code already exists somewhere within the organization.

Unfortunately, even with all this code available, most reuse efforts fail because code reuse is hard. It can be disruptive, require non-transferable skills and often depends on immature tech. Fortunately, that's all about to change.

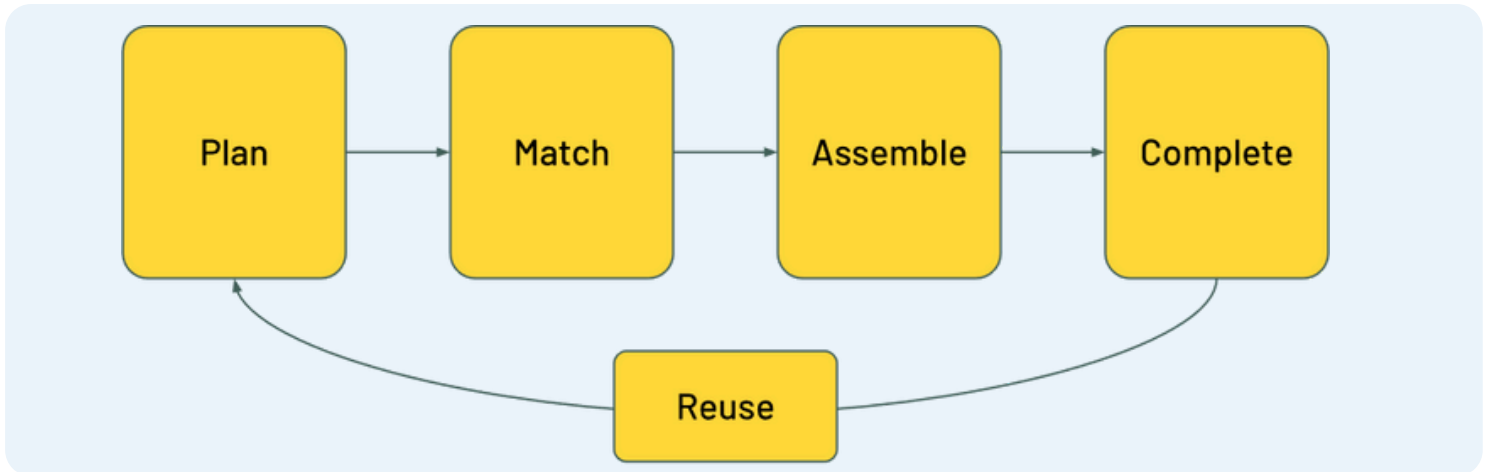
## CODEOPS AND AI MAKE CODE REUSE AT SCALE POSSIBLE

The Crowdbotics platform pioneers a new approach to application development – CodeOps – that takes the best of AI-driven software development and pairs it with a new, innovative methodology for code reuse.

This AI-based approach succeeds because:

- CodeOps uses real code – the languages, frameworks and architectures your developers are already familiar with.
- CodeOps integrates with all of your DevOps investments and processes as well as your existing application infrastructure.
- CodeOps relies on a holistic approach addressing code reuse from the idea phase of a project all the way through to deployment.

# HOW CODEOPS WORKS



The Crowdbotics platform makes systematic code reuse at scale possible by enabling CodeOps. At its core, this methodology can be broken down into these four functions:

- **PLAN** - The first CodeOps function enabled by the Crowdbotics platform is using AI to improve the quality of the requirements definition process. Business stakeholders use natural language prompts to generate comprehensive, high-quality Product Requirements Documents (PRDs) that take infrastructure, standards, policies and other enterprise standards into account.
- **MATCH** - AI is again used, this time to match each detailed requirement captured in the PRD with existing code maintained in centralized catalogs. Crowdbotics maintains a public catalog of reusable code while each customer has access to a private catalog of their own reusable modules.
- **ASSEMBLE** - Using the modules identified in the matching process, the platform uses AI yet again to assemble those modules into a newly created repository representing a nearly completed application. The assembly process automates much of the work required to craft the basics of an application.
- **COMPLETE** - With much of the application already built up from reused code during the assembly process, all that's left is for a developer to add any missing code. Importantly, developers get to focus on the unique, differentiated and most valuable features of the app because the platform has already handled the undifferentiated code.

## CROWDBOTICS: DELIVERING ON THE PROMISE OF CODE REUSE AT SCALE

The Crowdbotics platform - leveraging the power of AI and CodeOps - helps customers build better apps faster and more efficiently, and with significantly less risk. More importantly, by freeing up developers from the toil of recreating redundant code, they can focus exclusively on delivering the new, innovative features that will make the difference for their companies.

[Learn More About CodeOps](#)