Jenkins is the number one open-source project for automating your projects. With thousands of plugins to choose from, Jenkins can help teams to automate any task that would otherwise put a time-consuming strain on your software team. Common uses include building projects, running tests, bug detection, code analysis, and project deployment.

Buddy is a smart CD tool for web developers designed to lower the entry threshold to DevOps. It uses delivery pipelines to build, test and deploy software. The pipelines are created with over 100 actions that can be arranged in any way.

Jenkins

Jenkins is typically run as a standalone application in its own process with the built-in Java servlet container/application server. A plus point about using Jenkins is that the script is well structured, easily understandable, and quite readable. Around 1,000 plugins have been produced by the Jenkins team, allowing the application to intermingle with other familiar technology.

Rip I ran out of time

RUNTIME ANALYSIS

Runtimes of all the arrays where y = array size and x = runtime in seconds

Insert
https://www.desmos.com/calculator/cf8pzb2plo

Append
https://www.desmos.com/calculator/xonenikq7o

I have estimated 2 different functions, linear and quadratic, to show how the points in the graph relate to their corresponding time complexity.

Inserting an array is O(n), meaning that the run time of the code increases linearly as the array size goes up. Which can be represented as y=ax+b

Appending an array is O(n^2), meaning that the run time of the code increases quadratically as the array size goes up, which can be represented as y=ax^2+b