

## Jenkins:

A Continuous Integration solution for software engineering.

Features:

- free to use
- easy installation with pre-installed OS X and Windows packages.
- Full of many different features and plugins for users.
- Excellent reputation, #1 ranked by BitBar.
- local application.

Jenkins was released in February of 2011. As of 2018, Google showed an estimated 1.65 million users around the world, with growth since then in the last three years. At least 3000 companies use Jenkins for their tech needs, including huge companies like Facebook, Netflix, and Udemy. There are tutorials through their website, Udemy, Pluralsight, and many on youtube as well to help users get started. Their website has a 'Guided Tour' that shows all of the requirements for running the software, and step by step instructions for navigating the install. After installation is complete, users can continue to "Create your first Pipeline". They have a full user handbook available on their site for security, pipeline, scaling, and managing Jenkins.

<https://www.jenkins.io/doc/pipeline/tour/getting-started/>

<https://www.pluralsight.com/paths/continuous-integration-with-jenkins>

## Raygun:

Error Monitoring Tool for software engineering.

Features:

- This app shows you the line of code that caused an error so that it can be resolved quickly and efficiently.
- Raygun monitors deployments and keeps track of spikes or decreases in errors.
- Has the ability to sort and filter through errors by a number of variables including time, date, version, tag and more.
- 6 months of data retention stored.
- Easy setup with lightweight SDKs
- Support for all major languages.
- Integrates with Github, Jira, Slack, Amazon SQS, Asana, Azure and more.
- Affordable pricing at \$6 mo for every 10k events; or \$4 mo for every 10k events if paid annually.

Originally launched in 2013, Raygun has thousands of users and a great reputation for solving problems for devops. They have a 14 day trial available to get started. Raygun has step by step instructions for installation and use that seem thorough and easy to follow. There are applications for front end, back end and mobile devices available. There is a full guide full of

training on how to use the application in many settings that includes APM, crash monitoring, real user monitoring, deployment tracking and more.

<https://raygun.com/documentation/product-guides/crash-reporting/introduction/>