Continuous Integration:

Jenkins:

   Jenkins is a continuous integration software that helps to test your projects from initial set-up to deployment and beyond. It is popular, well-known, and well integrated. There are plenty of resources out there because so many people have used it. It has its own plugins or you can write your own based on your needs.

   Jenkins was officially released in 2011 but the idea started in 2004 when the creator, Kohsuke Kawaguchi, was tired of getting in trouble whenever his code broke and wanted to be able to test it in a smarter, more efficient way.

   The instructions are well written on their webpage, and like stated above, it has been around for 10 years, so there are plenty of online resources to help you use Jenkins for exactly what you need it to do. This software has grown with the tech industry and continues to provide for its needs.

   To get started, you can simply go to their website, jenkins.io, and click the link to their documentation page. This has all the resources you need to get started.

Real Time Error Monitoring

Sentry:

   Sentry error monitoring is massively popular. It has a market share of over 80%. The next closest share being 6% held by rollbar. Sentry was founded in 2016 as a growing tech industry demanded new resources to monitor errors in real time. Sentry's home page has a resources link that not only shows you documentation, but many links to helpful tips, uses and instructions. They make it easy to set up, easy to research, and easy to integrate.

   Sentry is by far the most popular, most common error monitoring software making it easy to use the way you want it to. With 6 years under its belt already and being in its prime in the height of tech, it has grown to be what is most likely needed.