Alternative Research Tools

1. **Do some internet research and find two new tools to explore– one for Continuous Integration, and one for Real Time Error Monitoring. You cannot use the ones you used earlier this week.**

Answer: Bamboo (https://www.atlassian.com/software/bamboo) is a continuous integration software that is commonly used.
Raygun (https://raygun.com/platform/crash-reporting) is a real time error monitoring software that is commonly used.

2. **Start a new document (Google Docs or similar) and record the unique value-add, or notable features for each tool. Imagine you were an engineer trying to convince your manager to use each tool. What would you say to convince them?**

Answer: Bamboo: Easy to collaborate on one platform; bit bucket- git code management; Jira software to plan track and release; continuous deployment with Docker and AWS CodeDeploy; it's also able to scale well with the growth of your product and company; built-in disaster recovery to help teams work together and keep on track; is an Atlassian product.

Raygun: Get real time errors and they are specific code errors; three different types of reporting: monitor crash reporting, user monitoring and server side monitoring; works with a number of deployment sites including Heroku, Octopus, Rake, Bash and more; works with any and all languages.

3. **For each tool, find the Getting Started instructions for how to begin using the tool. Evaluate the quality of these instructions. Is there an easy way to get started with the tool? Is the process well-documented? Are there any special tutorials or sandboxes available to make trying it out or learning the tool easier? Include a summary of how to get started with the tool, helpful links, and any other notable resources for this process.**

Answer: Bamboo: They have very detailed and clear instructions. There are defined sections with photos and snippets of boiler plate code you will need.
Raygun: Their guide is extremely easy to read and follow. It also includes pictures but is much more pleasing to look at and that somehow makes it easier to follow.

4. **How long has this tool been around? How popular is it? Summarize the maturity and market share of each tool. To answer these questions, check out any public official Github repos for the tool (are they in active development? what is the date of the earliest commit?), the tool's public website for any notable mentions of current companies that use the tool, and any other information that will help you determine if each tool is compelling to other companies and how new it is.**

Answer: Bamboo: It is not open-sourced and takes great care to be able to continuously integrate your updated code and deploy it smoothly. On github, I couldn't see anything that pointed directly to how often it was used. But according to online reviews, it is fairly common to use it.
Raygun: it seems that Raygun is very popular on Github. It also seemed to show up first on most review and ranking sites. While the features were very impressive, they also mentioned that the price is really low too which makes it a great option.