Popular Software Engineering Tools

An Introduction

Software Engineering Tools

GITHUB

Referred to as a Google Drive for projects in the software industry, the tool is a hosting service that lets you find an open-source code and upload any private or public project. The community consists of many developers who share, discover, and collaborate to build better software engineering tools.

STACK OVERFLOW

This is a place where programmers get to engage, earn and advance in their software career. The forum is beneficial for beginners as well as experienced engineers.

GIT

A control system that is offered for free lets developers to handle projects with improved speed and efficiency. The distributed system is open-source and one of the easy-to-learn tools In Software Engineering that are used by beginners in this industry. Git allows saving all the changes till the last version. It also allows contributing, collaborating and gives you access to copies of the code written by every developer.

GITLAB

A web-based tool popular for the developers' lifecycle management, GitLab is an integrated solution to cover issue tracking, version control, and modern software development. The application is easy to install and lets developers get their project accelerated through a feature-based extensive system.

JIRA

The agile development software is used to plan and manage projects. It customizes the workflow, tracks the team backlogs, generates performance reports, and visualizes the progress. It offers many features test management, coding roadmap sharing, and release planning.

Software Engineering Tools

JENKINS

The automation server is an open-source that offers orchestration capabilities to deploy applications. The software is used for testing, development, continuous integration, and deployment.

DOCKER

A platform that caters to web developers and system administrators, Docket allows the packaging of the software into a file system. This includes dependencies and libraries. It captures the complexity of developing the application and helps in shipping, building, and running the app distribution.

FEEDLY

The software is integral to engineers that help to keep up with the latest changes in technology and trends. Feedly ensures that you do not miss out on any content of interest. It lets you create a list of new topics and favorite publications. The aggregator is cloud-based that arranges the feeds for you based on what you prioritize.

SLACK

The platform is used for communication and is trending among software engineers. It lets them share information and interact with the collaborators of the project. Slack allows creating chat rooms as per the topic. It also lets you set privacy and offers a direct messaging feature. Slack is more secure than email to share documents and files.

Software Engineering Tools

CONFLUENCE

The web-based tool allows team collaboration. It is written in the Java programming language and works along with most of the databases. It offers a shared workspace where the software engineers can put their ideas for the project together.

INTELLIJ IDEA

This is a Java IDE that is used by developers to build both commercials as well as non-commercial products. The tool offers language-aware plugins and tools to be used for development.

TRELLO

The management tool is an application that follows the Kanban style and represents the project in the form of lists and boards. Each list has a movable card and offers a drag and drop functionality.

CODEPROJECT

An amazing learning project for software engineers, CodeProject has a free source tutorial on software development, web development, Java, C, etc. It lets you find the relevant information and resources on the platform.

SUBLIME TEXT

The cross-platform sophisticated text editor has a Python API. The tool supports most of the markup and programming languages. It also offers additional functions through the user plugin. You are free to open the files and jump between the lines with Sublime Text. There are many shortcut functionalities available too.