

Setting Up Your Development Environment: A Step-by-Step Guide

Visual Studio Code

Visual Studio Code (VSCode) is a lightweight, open-source code editor that has gained immense popularity among developers. Follow these steps to install it:

- Visit the official VSCode website: [Visual Studio Code](https://code.visualstudio.com/).
(<https://code.visualstudio.com/>)
- Download the installer for your operating system (Windows, macOS, or Linux).
- Run the installer and follow the on-screen instructions.
- Launch VSCode after the installation is complete.

Google Chrome

Google Chrome is a widely-used web browser and an excellent choice for web development. Here's how you can install it:

- Visit the official Google Chrome download page: [Google Chrome](https://www.google.com/chrome/).
(<https://www.google.com/chrome/>)
- Click on the "Download Chrome" button.
- Run the installer and follow the setup instructions.
- Open Google Chrome once the installation is finished.

NodeJS

NodeJS is a JavaScript runtime that allows you to execute JavaScript code on the server side. Follow these steps to install NodeJS:

- Visit the official NodeJS website: [Node.js](https://nodejs.org/).(<https://nodejs.org/>)
- Download the LTS version (recommended for most users).
- Run the installer and follow the installation instructions.
- Verify the installation by opening a command prompt or terminal and typing

```
node -v and npm -v.
```

MongoDB

MongoDB is a NoSQL database that is widely used in modern web development. Follow these steps to install MongoDB:

- Visit the official MongoDB website: [MongoDB](https://www.mongodb.com/).(<https://www.mongodb.com/>)
- Click on “Start Free” and create a free account.

Git

Git is a distributed version control system, essential for collaborative development. Follow these steps to install Git:

- Visit the official Git website: [Git](https://git-scm.com/).(<https://git-scm.com/>)
- Download the installer for your operating system.
- Run the installer and follow the on-screen instructions.
- Open a command prompt or terminal and verify the installation by typing
`git --version.`

GitHub

GitHub is a web-based platform for version control and collaboration using Git. To set up GitHub:

- Create a GitHub account at [GitHub](https://github.com/).(<https://github.com/>)
- Follow the on-screen instructions to complete the sign-up process.
- Configure Git with your GitHub credentials using the following commands:
`git config --global user.name "Your GitHub Username"`
`git config --global user.email "your.email@example.com"`

Congratulations! You've successfully set up your development environment with the essential tools. Now, you're ready to embark on your coding journey and explore the exciting world of software development.

Happy coding!