# WordPress Auto Installer – Document

Version: 1.0  
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Purpose:  
This document explains how to install, configure, and use the WordPress Auto Installer created for setting up WordPress projects quickly in a local development environment (XAMPP / LAMP).

## 1. Overview

The WordPress Auto Installer automates the entire WordPress setup process, including:  
- Creating a new project directory  
- Setting up a new MySQL database  
- Downloading and configuring WordPress core  
- Installing essential plugins (WP.org, local ZIPs, GitHub SSH repos)  
- Installing or cloning themes  
- Providing real-time progress updates through a web interface  
  
It is designed to work in local environments (XAMPP or LAMP) and significantly reduces manual setup time.

## 2. System Requirements

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| --- | --- | --- |
| Component | Minimum Requirement | Recommended |
| Operating System | Windows / Linux | Latest stable version |
| Local Server | XAMPP / LAMP | XAMPP 8.2+ or LAMP (PHP 8+) |
| PHP Version | 7.4+ | 8.1+ |
| Database | MySQL / MariaDB | MySQL 8+ |
| Git | Installed and configured | v2.34+ |
| WP-CLI | Installed globally | v2.9+ |
| SSH Key | Valid key added to GitHub | /home/username/.ssh/id\_ed25519 |
| Permissions | Write access to htdocs or /var/www/html | Full local admin rights |

## 3. Folder Structure

wordpress-auto-installer/  
│  
├── index.html # Frontend (Bootstrap + JS)  
├── installer-ajax.php # Backend (PHP + WP-CLI logic)  
├── style.css # Custom CSS for UI  
├── plugins/ # Optional local plugin ZIPs  
├── projects/ # Generated WordPress sites  
└── README.md # Documentation (optional)

## 4. Installation Steps

1. Install XAMPP (Windows/Linux) or LAMP (Linux).  
2. Ensure Apache and MySQL are running.  
3. Verify WP-CLI and Git installation.  
4. Place the installer folder inside htdocs or /var/www/html.  
5. Access http://localhost/wordpress-auto-installer/ in your browser.  
6. Fill the form and click "Create Project".  
7. Wait for installation progress to reach 100%.  
8. Access the new WordPress site at http://localhost/<project\_name>.

## 5. Customization Options

You can modify plugin and theme lists inside installer-ajax.php:  
- Update $plugins for WP.org plugins.  
- Update $git\_plugins for GitHub plugin repositories.  
- Update $git\_themes for GitHub theme repositories.

## 6. Troubleshooting

Common Issues:  
- WP-CLI not found → Install or add to PATH.  
- Git clone failed → Ensure SSH key is added to GitHub.  
- Permission denied → Adjust folder permissions.  
- Progress stuck → Disable PHP output buffering.

## 7. Security and Permissions

- Run the installer locally only.  
- Ensure correct file permissions (755 / 644).  
- Keep SSH keys secure.  
- Do not deploy installer on live servers.

## 8. Summary

The WordPress Auto Installer allows any team member to set up a full WordPress environment in minutes.  
Just fill the form, click “Create Project,” and the installer will handle everything — database creation,  
WordPress setup, plugin installation, and theme configuration.