🚀 Vite Project Setup Scripts Collection

Lightning-fast PowerShell scripts to bootstrap modern web applications with Vite

○ STARS	1

○ FORKS	0

○ ISSUES	0 OPEN

LICENSE	MIT

POWERSHELL

▼ **VITE**

Ⓙ **NODE.JS**

🚀 Quick Start • 📖 Documentation • 🤝 Contributing • 💬 Community

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✦ Features

🚀 Ultra-Fast Setup

Bootstrap complete projects in under 30 seconds

🎨 Modern Stack

Pre-configured with Tailwind CSS, routing, and best practices

🔧 Zero Configuration

Works out of the box with sensible defaults

▦ Multiple Frameworks

React, Vue, Svelte, Solid.js, and Vanilla JS support

🌐 One-Command Deployment

Direct execution from GitHub without downloads

🛡 Production Ready

Includes linting, formatting, and security configurations

🚀 Quick Start (One-Command Setup)

> 💡 **Tip:** Run these commands directly in PowerShell - no downloads required!

⚛ React Projects

▶ 🔘 **React + JavaScript (Most Popular)**

```
# 🚀 One-liner setup
iex (iwr -useb "https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-
Setup-Scripts-Collection/main/setup-vite-react-js.ps1").Content
```

Includes: React Router, Tailwind CSS, Lucide React icons, ESLint

▶ ◇ **React + TypeScript**

```
# 🚀 TypeScript-powered React
iex (iwr -useb "https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-
Setup-Scripts-Collection/main/setup-vite-react-ts.ps1").Content
```

Includes: React Router, Tailwind CSS, TypeScript, type definitions

✋ Vue.js Projects

▶ 🍥 **Vue 3 + JavaScript**

```
# 🚀 Modern Vue.js setup
iex (iwr -useb "https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-
Setup-Scripts-Collection/main/setup-vite-vue-js.ps1").Content
```

Includes: Vue Router 4, Pinia state management, Tailwind CSS

🧵 Other Frameworks

▶ 🎭 Svelte

```
# 🚀 Svelte with routing
iex (iwr -useb "https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-svelte-js.ps1").Content
```

▶ 💎 Solid.js

```
# 🚀 Solid.js performance
iex (iwr -useb "https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-solid-js.ps1").Content
```

▶ ⚡ Vanilla JavaScript

```
# 🚀 Pure JavaScript power
iex (iwr -useb "https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-vanilla-js.ps1").Content
```

▶ 🎯 Generic Template (Choose Your Own)

```
# 🚀 Interactive template selection
iex (iwr -useb "https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-template.ps1").Content
```

🎯 Available Templates

Framework	Language	Script	Features	Best For
⚛ **React**	JavaScript	setup-vite-react-js.ps1	Router, Tailwind, Icons	SPAs, Dashboards
⚛ **React**	TypeScript	setup-vite-react-ts.ps1	Router, Tailwind, Types	Enterprise Apps
✋ **Vue.js**	JavaScript	setup-vite-vue-js.ps1	Router, Pinia, Tailwind	Progressive Web Apps
🎭 **Svelte**	JavaScript	setup-vite-svelte-js.ps1	Routing, Tailwind	Lightweight Apps
💎 **Solid.js**	JavaScript	setup-vite-solid-js.ps1	Tailwind CSS	High Performance

Framework	Language	Script	Features	Best For
⚡ **Vanilla**	JavaScript	`setup-vite-vanilla-js.ps1`	Minimal Setup	Learning, Prototypes
🔧 **Full Stack**	JavaScript	`setup-vite-frontend.ps1`	API Ready, Advanced	Full Applications
🎯 **Generic**	Configurable	`setup-vite-template.ps1`	Interactive Choice	Custom Requirements

📖 Comprehensive Guide

🎛 Custom Parameters

All scripts support powerful customization options:

```
# 🎨 Basic customization
.\script.ps1 -ProjectName "my-awesome-app" -SkipGit -SkipAutoStart

# 🌐 Full-stack configuration
.\setup-vite-frontend.ps1 -ProjectName "my-app" -ApiUrl "https://api.myapp.com"

# 🎯 Template selection
.\setup-vite-template.ps1 -Framework "vue" -Variant "ts" -ExtraPackages "axios lodash"
```

📋 Parameter Reference

▶ Common Parameters (All Scripts)

Parameter	Type	Default	Description
`-ProjectName`	String	`"frontend"`	Project directory name
`-SkipGit`	Switch	`false`	Skip Git repository initialization
`-SkipAutoStart`	Switch	`false`	Don't start development server

▶ Advanced Parameters

`setup-vite-frontend.ps1`:

- `-ApiUrl` - Backend API endpoint (default: `"http://localhost:3000/api"`)

`setup-vite-template.ps1`:

- `-Framework` - Target framework (`react`, `vue`, `svelte`, `solid`, `angular`)
- `-Variant` - Language variant (`js`, `ts`)
- `-ExtraPackages` - Additional npm packages to install

💡 Usage Examples

▶ 🎯 Scenario-Based Examples

Enterprise React Application

```
# TypeScript React with custom name
$env:PROJECT_NAME="enterprise-dashboard"
iex (iwr -useb "https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-
Setup-Scripts-Collection/main/setup-vite-react-ts.ps1").Content
```

Quick Prototype

```
# Vanilla JS, no git, auto-start disabled
iex (iwr -useb "https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-
Setup-Scripts-Collection/main/setup-vite-vanilla-js.ps1").Content -SkipGit -
SkipAutoStart
```

Full-Stack Application

```
# Download and configure for production API
Invoke-WebRequest -Uri "https://raw.githubusercontent.com/MianAliKhalid/Vite-
Project-Setup-Scripts-Collection/main/setup-vite-frontend.ps1" -OutFile
"setup.ps1"
.\setup.ps1 -ProjectName "my-saas-app" -ApiUrl "https://api.production.com"
```

⚙️ Advanced Configuration

🔧 Environment Variables

Set project name via environment variable:

```
$env:PROJECT_NAME = "my-custom-app"
# Then run any script
```

🎨 Customizing Generated Projects

Each script creates a fully configured project with:

- 🎨 **Tailwind CSS** - Utility-first styling
- 📱 **Responsive Design** - Mobile-first components
- 🔄 **Hot Module Replacement** - Instant development feedback
- 📦 **Optimized Build** - Production-ready bundles
- 🖊️ **Testing Setup** - Ready for unit tests

- 📝 **Documentation** - Comprehensive README

🏗️ Project Structure

```
📁 your-project-name/
├── 📁 public/              # Static assets
├── 📁 src/
│   ├── 📁 components/       # Reusable UI components
│   ├── 📁 pages/           # Route components (React)
│   ├── 📁 lib/             # Utilities and helpers
│   ├── 📄 App.jsx          # Main application component
│   ├── 📄 main.jsx         # Application entry point
│   └── 📄 index.css        # Global styles
├── 📄 .env                 # Environment variables
├── 📄 .gitignore           # Git ignore rules
├── 📄 .editorconfig        # Editor configuration
├── 📄 LICENSE              # MIT license
├── 📄 README.md            # Project documentation
├── 📄 package.json         # Dependencies and scripts
├── 📄 vite.config.js       # Vite configuration
├── 📄 tailwind.config.js   # Tailwind CSS config
└── 📄 postcss.config.js    # PostCSS configuration
```

🔧 Prerequisites

📋 System Requirements

Requirement	Minimum Version	Recommended	Installation
Node.js	v16.0.0	v18+ LTS	Download
npm	v7.0.0	v9+	Included with Node.js
PowerShell	v5.1	v7+	Download
Git	v2.0	Latest	Download

☑️ Quick Check

```
# Verify your system
node --version    # Should show v16+
npm --version     # Should show v7+
git --version     # Should show v2+
```

🛡️ Security Guidelines

🔐 Remote Script Execution Safety

> ⚠️ **Important:** Always verify scripts before execution

☑ Recommended Practices

1. 🔍 **Review First**: Check the raw script content

```
# View script before running
Invoke-WebRequest -Uri
"https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-
Scripts-Collection/main/setup-vite-react-js.ps1" | Select-Object -
ExpandProperty Content
```

2. 🔐 **Use HTTPS**: Always use secure URLs

3. 💾 **Local Copy**: Download for production use

```
# Secure workflow
Invoke-WebRequest -Uri
"https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-
Scripts-Collection/main/setup-vite-react-js.ps1" -OutFile "setup.ps1"
# Review the file
.\setup.ps1
```

4. 🏢 **Corporate Networks**: Some networks block remote execution

🚨 Troubleshooting

▶ 🔧 **Common Issues & Solutions**

PowerShell Execution Policy

```
# If you get execution policy errors
Set-ExecutionPolicy -ExecutionPolicy RemoteSigned -Scope CurrentUser
```

Port Already in Use

```
# Check what's using port 5173
netstat -ano | findstr :5173
# Kill the process if needed
taskkill /PID <PID_NUMBER> /F
```

Network/Firewall Issues

```
# Test connectivity
Test-NetConnection -ComputerName raw.githubusercontent.com -Port 443
```

Node.js/npm Issues

```
# Clear npm cache
npm cache clean --force
# Update npm
npm install -g npm@latest
```

▶ 🆘 **Getting Help**

1. 📖 **Check Documentation**: Review this README thoroughly
2. 🐾 **Search Issues**: Look through existing issues
3. 💬 **Ask Community**: Create a new issue with details
4. 📧 **Direct Contact**: Reach out via GitHub

⚠️ **Troubleshooting Script Download Issues**

- **Why am I getting a 404 Not Found when using Invoke-WebRequest or opening the raw script link?**

  - The script file does **not exist** in the `main` branch of the public GitHub repository **at the expected path**.
  - You may be working in a **private** or **local** repository, or the file has not been pushed to GitHub.
  - The filename or path in the URL may be **misspelled** or **incorrect**.
  - The repository or file may have been **deleted or renamed**.
  - **Sometimes, a script may exist in the repo UI (e.g., setup-vite-lit-ts.ps1) but not at the raw URL (e.g., setup-vite-react-js.ps1) if the file is missing, renamed, or not pushed.** Always check both the GitHub UI and the raw link.

- **How to fix:**

  1. **Check the repository on GitHub:**
     Go to Vite-Project-Setup-Scripts-Collection and verify that the script file (e.g., `setup-vite-react-js.ps1`) exists in the root or correct folder.
  2. **If the file is missing:**
     - Make sure you have pushed all your local files to GitHub.
     - If you are the repo owner, commit and push the script file.
     - If you are a user, contact the maintainer or check for updates.
  3. **If the file exists in the repo UI but not at the raw URL:**
     - Double-check the **case sensitivity** and **file extension** (`.ps1`) in the URL.
     - Sometimes, files may be present in a different branch or folder.

- Try opening the file in the GitHub UI, click **Raw**, and copy the URL from your browser to ensure it's correct.

4. **If the file exists:**
   - Click the script file in GitHub, then click **Raw** to view the raw script.
   - Copy the content and save it as a `.ps1` file locally.
   - Run the script in PowerShell as needed.

- **Example: Manual Copy**

  1. Open the script link in your browser (e.g., setup-vite-lit-ts.ps1).
  2. Click the **Raw** button.
  3. Copy all the script content.
  4. Paste into a file named `setup-vite-lit-ts.ps1` in your local folder.
  5. Run the script in PowerShell.

- **Note:**
  The `Invoke-WebRequest` command will only work if the script is available at the raw URL.
  If you get a 404 error, always check the repository and file existence first, and verify the exact path and filename.

⚠ Script Parse Error: "The string is missing the terminator: "@""

- If you see an error like:

  ```
  The string is missing the terminator: "@"
  ```

  This means the script you downloaded from the raw link is **incomplete or corrupted** (often due to missing the end of a here-string or copy-paste error).

- **How to fix:**

  1. **Check the script file in the GitHub UI** to ensure it is complete and ends properly.
  2. **If using the raw link:**
     - Make sure the script is fully uploaded and not truncated.
     - Try refreshing the raw link in your browser and check if the script ends with all code and terminators.
  3. **If the script is incomplete:**
     - Contact the repository maintainer to fix the script file.
     - Or, manually copy the script from the GitHub UI (click the file, then "Raw", select all, copy, and paste into a `.ps1` file in VS Code).
  4. **If you are the maintainer:**
     - Edit the script file and ensure all here-strings (blocks starting with @") are properly closed with @" on a new line.

- **Tip:**
  Always verify the script content in the GitHub UI and raw link before running it in PowerShell.

🤝 Contributing

We welcome contributions! Here's how to get started:

🚀 Quick Contribution

1. 🍴 **Fork** the repository
2. 🌿 **Create** a feature branch
3. 💻 **Make** your changes
4. ☑️ **Test** thoroughly
5. 📬 **Submit** a pull request

🎯 Contribution Ideas

- 🆕 **New Frameworks**: Add support for Angular, Next.js, Nuxt.js
- 🔧 **Enhanced Features**: Additional utilities, configurations
- 📑 **Documentation**: Improve guides, add tutorials
- 🐛 **Bug Fixes**: Resolve issues, improve stability
- 🎨 **Templates**: Create new project templates

📝 Development Setup

```
# Clone repository
git clone https://github.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection.git
cd Vite-Project-Setup-Scripts-Collection

# Test a script
.\setup-vite-react-js.ps1 -ProjectName "test-project"
```

💬 Community & Support

🐞 Show Your Support

If this project helps you, please consider:

![STAR ON GITHUB](https://img.shields.io)

![SHARE ON TWITTER](https://img.shields.io)

💼 Professional Support

For enterprise support, custom templates, or consulting:

- 📧 **Email**: Contact via GitHub
- 💼 **LinkedIn**: Connect professionally
- 🐛 **Issues**: Report bugs

📊 Project Statistics

📄 License

This project is licensed under the **MIT License** - see the LICENSE file for details.

```
MIT License - Free for personal and commercial use
```

Made with 🖤 **by Mian Ali Khalid**

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📦 All Setup Scripts (Copy & Paste into VS Code)

> **Tip:** Copy the code block for the script you want, paste into VS Code, and save as the filename in the comment.

📥 Direct Script Links

> ⚠️ **Some scripts may not work if they are incomplete or corrupted in the repository.**
> **If you get a "missing the terminator: "@"" error, the script file needs to be fixed by the repository maintainer.**
> **See below for details.**

You can copy any script link below and run it directly in PowerShell:

Script	Raw Link
React + JS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-react-js.ps1
React + TS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-react-ts.ps1
Vue + JS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-vue-js.ps1
Vue + TS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-vue-ts.ps1

Script	Raw Link
Svelte + JS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-svelte-js.ps1
Svelte + TS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-svelte-ts.ps1
Solid + JS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-solid-js.ps1
Solid + TS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-solid-ts.ps1
Preact + JS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-preact-js.ps1
Preact + TS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-preact-ts.ps1
Lit + JS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-lit-js.ps1
Lit + TS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-lit-ts.ps1
Vanilla + JS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-vanilla-js.ps1
Vanilla + TS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-vanilla-ts.ps1
Marko + JS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-marko-js.ps1
Angular + JS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-angular-js.ps1
Qwik + JS	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-qwik-js.ps1
Full Stack	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-frontend.ps1
Generic/Template	https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-template.ps1

How to use:

1. **Copy the Raw Link** for your desired script (just the URL, not a clickable link).

2. **In VS Code terminal or PowerShell**, run this command (replace the URL with your copied link):

```
iex (iwr -useb "PASTE_RAW_LINK_HERE").Content
```

Example:

```
iex (iwr -useb "https://raw.githubusercontent.com/MianAliKhalid/Vite-
Project-Setup-Scripts-Collection/main/setup-vite-react-js.ps1").Content
```

> ⚠️ **Do NOT paste the URL directly into the terminal.**
> You must use the `iex (iwr -useb "...").Content` command as shown above.
> Pasting the URL alone will not run the script and will result in a "not recognized as the name of a cmdlet" error.

3. **Your project will be set up automatically!**

⚠️ If you get a 404 Not Found error

- The script file may not exist at the raw URL.
- Double-check the spelling, file extension, and that the file is pushed to the `main` branch.
- If the script exists in the GitHub UI but not at the raw link, click the file in GitHub, click **Raw**, copy all content, and paste it into a `.ps1` file in VS Code, then run it.

⚠️ If you get a "missing the terminator: "@"" error

- This means the script file in the repository is **incomplete or corrupted** (for example, a here-string is missing its closing `@"`).
- **How to fix:**
    - If you are the repository owner, open the script file (e.g., `setup-vite-react-js.ps1`) in GitHub and ensure every block that starts with `@"` ends with a line containing only `@"`.
    - If you are a user, report the issue to the maintainer or check if another script works.
    - You can also try copying the script from the GitHub UI (click the file, then "Raw", select all, copy, and paste into a `.ps1` file in VS Code), but if the file is incomplete, only the maintainer can fix it.