

# Vite Project Setup Scripts Collection

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

 STARS **1**

 FORKS **0**

 ISSUES **0 OPEN**

LICENSE **MIT**

**POWERSHELL**

 **VITE**

 **NODE.JS**

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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
⚡ <b>Vanilla</b>	JavaScript	<code>setup-vite-vanilla-js.ps1</code>	Minimal Setup	Learning, Prototypes
🔑 <b>Full Stack</b>	JavaScript	<code>setup-vite-frontend.ps1</code>	API Ready, Advanced	Full Applications
⚙️ <b>Generic</b>	Configurable	<code>setup-vite-template.ps1</code>	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
<code>-ProjectName</code>	String	<code>"frontend"</code>	Project directory name
<code>-SkipGit</code>	Switch	<code>false</code>	Skip Git repository initialization
<code>-SkipAutoStart</code>	Switch	<code>false</code>	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
<b>Node.js</b>	v16.0.0	v18+ LTS	<a href="#">Download</a>
<b>npm</b>	v7.0.0	v9+	Included with Node.js
<b>PowerShell</b>	v5.1	v7+	<a href="#">Download</a>
<b>Git</b>	v2.0	Latest	<a href="#">Download</a>

### ☒ 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.






## 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:



### Professional Support

For enterprise support, custom templates, or consulting:

-  **Email:** [Contact via GitHub](#)
-  **LinkedIn:** [Connect professionally](#)
-  **Issues:** [Report bugs](#)

## Project Statistics

Something went wrong! file an issue at <https://tiny.one/readme-stats>

User Repository Not found

## License

This project is licensed under the **MIT License** - see the [LICENSE](#) file for details.

MIT License - Free for personal and commercial use

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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

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

Script	Raw Link
<b>React + JS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-react-js.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-react-js.ps1</a>
<b>React + TS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-react-ts.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-react-ts.ps1</a>
<b>Vue + JS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-vue-js.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-vue-js.ps1</a>
<b>Vue + TS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-vue-ts.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-vue-ts.ps1</a>
<b>Svelte + JS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-svelte-js.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-svelte-js.ps1</a>
<b>Svelte + TS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-svelte-ts.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-svelte-ts.ps1</a>
<b>Solid + JS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-solid-js.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-solid-js.ps1</a>
<b>Solid + TS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-solid-ts.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-solid-ts.ps1</a>
<b>Preact + JS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-preact-js.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-preact-js.ps1</a>
<b>Preact + TS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-preact-ts.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-preact-ts.ps1</a>
<b>Lit + JS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-lit-js.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-lit-js.ps1</a>
<b>Lit + TS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-lit-ts.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-lit-ts.ps1</a>
<b>Vanilla + JS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-vanilla-js.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-vanilla-js.ps1</a>
<b>Vanilla + TS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-vanilla-ts.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-vanilla-ts.ps1</a>
<b>Marko + JS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-marko-js.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-marko-js.ps1</a>
<b>Angular + JS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-angular-js.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-angular-js.ps1</a>
<b>Qwik + JS</b>	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-qwik-js.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-qwik-js.ps1</a>

Script	Raw Link
Full Stack	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-frontend.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-frontend.ps1</a>
Generic/Template	<a href="https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-template.ps1">https://raw.githubusercontent.com/MianAliKhalid/Vite-Project-Setup-Scripts-Collection/main/setup-vite-template.ps1</a>

### 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.
-