




# Vite Project Setup Scripts Collection

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

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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
⚡ <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






## 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

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