

# M365 SATURDAY BANGALORE 2022



 @m365blr #M365BLR

 [www.m365event.com](http://www.m365event.com)

3 December, 2022

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# Session 5

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**Turbo-boost your SPFx  
upgrades and deployment  
using CLI for Microsoft 365**

2.50 PM – 3.35 PM

## SPEAKERS PANEL



**Arjun Menon**

Solution Architect |  
Microsoft MVP

# A Big Thank You to all the Sponsors!

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## Diamond:



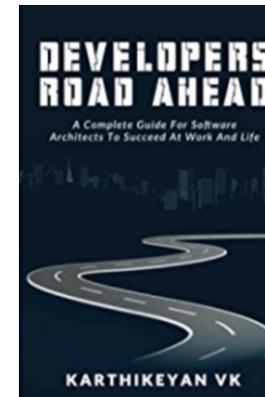
## Platinum:



## Gold:



## Learning Partner:



# WHO AM I

- **Solution Architect** with TCS
- **Microsoft MVP** (M365 Development)
- **Maintainer** – CLI for Microsoft 365
- **Core Team Member** – Microsoft 365 Patterns & Practices (PnP)



arjunumenon



arjunumenon.com



## Arjun Menon



# Agenda

- What is CLI for Microsoft 365 and its features
- Why CLI for Microsoft 365 is relevant to SharePoint Framework (SPFx)
- Demo through a Use Case

# CLI for Microsoft 365

- Cross-platform way of managing Microsoft 365 workloads
- Accessible from almost any toolchain which is being used for Microsoft 365 development
- Secured and following the Microsoft 365 security practices

```
CLI for Microsoft 365 v6.0.0
Manage Microsoft 365 and SharePoint Framework projects on any platform

Commands:

login [options]    Log in to Microsoft 365
logout [options]   Log out from Microsoft 365
request [options]  Executes the specified web request using CLI for Microsoft 365
status [options]   Shows Microsoft 365 login status
version [options]  Shows CLI for Microsoft 365 version

Commands groups:

aad *              59 commands
adaptivecard *    1 command
app *              3 commands
booking *          2 commands
cli *              12 commands
file *             3 commands
flow *             14 commands
graph *            7 commands
onedrive *         8 commands
onenote *          1 command
outlook *          17 commands
pa *               10 commands
planner *          22 commands
pp *               21 commands
search *           4 commands
skype *            3 commands
spfx *             6 commands
spo *              291 commands
```

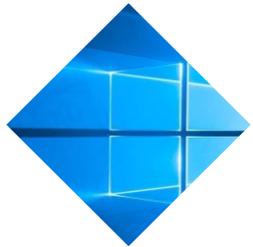
# *Supports almost all the Microsoft 365 Workloads*

- Manage SharePoint site provisioning
- Managing Microsoft Teams
- Power Platform Management
- Managing Azure Active Directory



# Where will I execute it from?

## Any Operating System



- Windows
- MacOS
- Linux



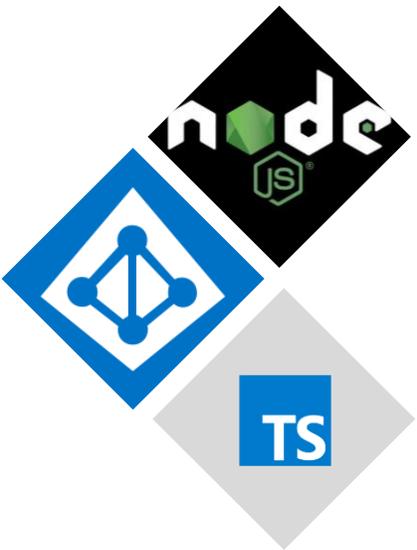
## Any Shell

- PowerShell
- Bash
- Command
- etc.



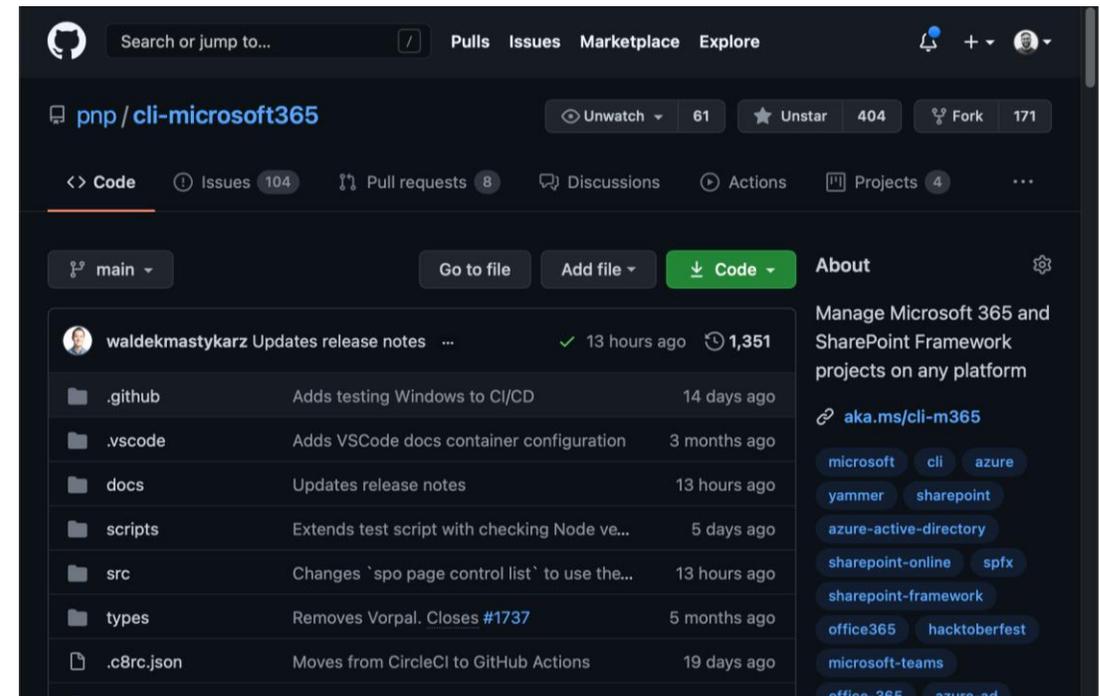
# How is it built and who built it?

## Built on Modern Tooling



- Node JS
- TypeScript
- Azure Active Directory

## Built by the community for the community



# How will I get started

`npm install -g @pnp/cli-microsoft365`

- Any Package Manager
  - NPM
  - YARN
- Docker Container
  - Supports execution from a docker container
- CLI for Microsoft 365 is baked with Azure Cloud shell
  - You don't even need to install CLI in Azure Cloud Shell. It is baked within the shell



```
https://portal.azure.com/#cloudshell/
Microsoft Azure Search resources, services, and docs (G+)
Bash
steve [ ~ ]$ npm list --global --depth=0
/usr/lib
├── @pnp/cli-microsoft365@5.9.0
├── corepack@0.12.1
├── generator-az-terra-module@0.5.0
├── npm@8.15.0
└── yo@4.3.0

npm notice
npm notice New major version of npm available! 8.15.0 -> 9.1.3
npm notice Changelog: https://github.com/npm/cli/releases/tag/v9.1.3
npm notice Run npm install -g npm@9.1.3 to update!
npm notice
steve [ ~ ]$
```

# What is with SPFx and CLI for Microsoft 365

- Both are built on similar toolchain
- Seamlessly co-exist
- SPFx Deployment is super easy!!



*LIKE VEERU & JAI ?*

# Ready to turbo-boost SPFx development & deployment experience

## M365 SPFX DOCTOR



Verifies your DEV Environment

## M365 SPFX PROJECT DOCTOR



Gives the report of your SPFx Project folder

## M365 SPFX PROJECT UPGRADE



Help to upgrade your older SPFx projects to a later version easily by giving report and steps to upgrade

## Easy CI/CD Setup



Build CI /CD Pipelines in Azure DevOps and GitHub

# Let us see it in action

## Use Case

- Want to deploy a Webpart which shows the M365 Groups (Using PnP Webpart)
- Need to validate the project
- Implement CI/CD for the same
- Bonus Action : Rename the SPFx Project easily
- Code Repo :  
<https://github.com/arjunumenon/M365SatBLR-2022>



# THANK YOU

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# Next Session

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## Extend Microsoft Viva Connections with SPFx

3.50 PM – 4:35 PM

## SPEAKERS PANEL



**Kirti Prajapati**

Modern Workplace Consultant | Office Development MVP |

# Session 1

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## Welcome Note

09:00 AM – 09:15 AM IST

## SPEAKERS PANEL



**Deepak Rajendran**

Driving Advocacy Programs

Microsoft

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# Session No.

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Session name

Session Time

## SPEAKERS PANEL



**Speaker 1**

Designation



**Speaker 2**

Designation

# Session No.

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Session name

Session Time

## SPEAKERS PANEL



Speaker Name

Designation

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# Next Session

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**Session Name**

Session Time

SPEAKERS PANEL



**Speaker Name**

Designation

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# A One Day In Person Event

- Hands on sessions by experts and community leaders
- Deep-dive into Microsoft 365 Services
- Focus on:
  - Microsoft Teams
  - Power Platform
  - SharePoint

## Win exciting prizes!



Lenovo M10 FHD  
Plus (2nd Gen)



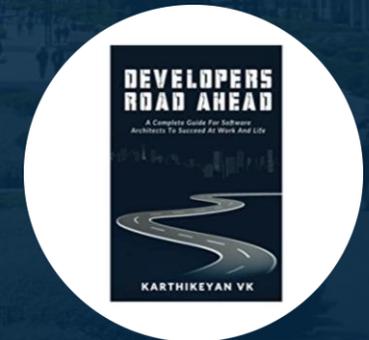
JBL Tune 125TWS



boAt Blaze Smart Watch



Cool Water Bottle



Developer Road Ahead

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“Giving is Receiving”



Support 'Scope for Change' to create more impact and touch the lives of more underprivileged students.

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