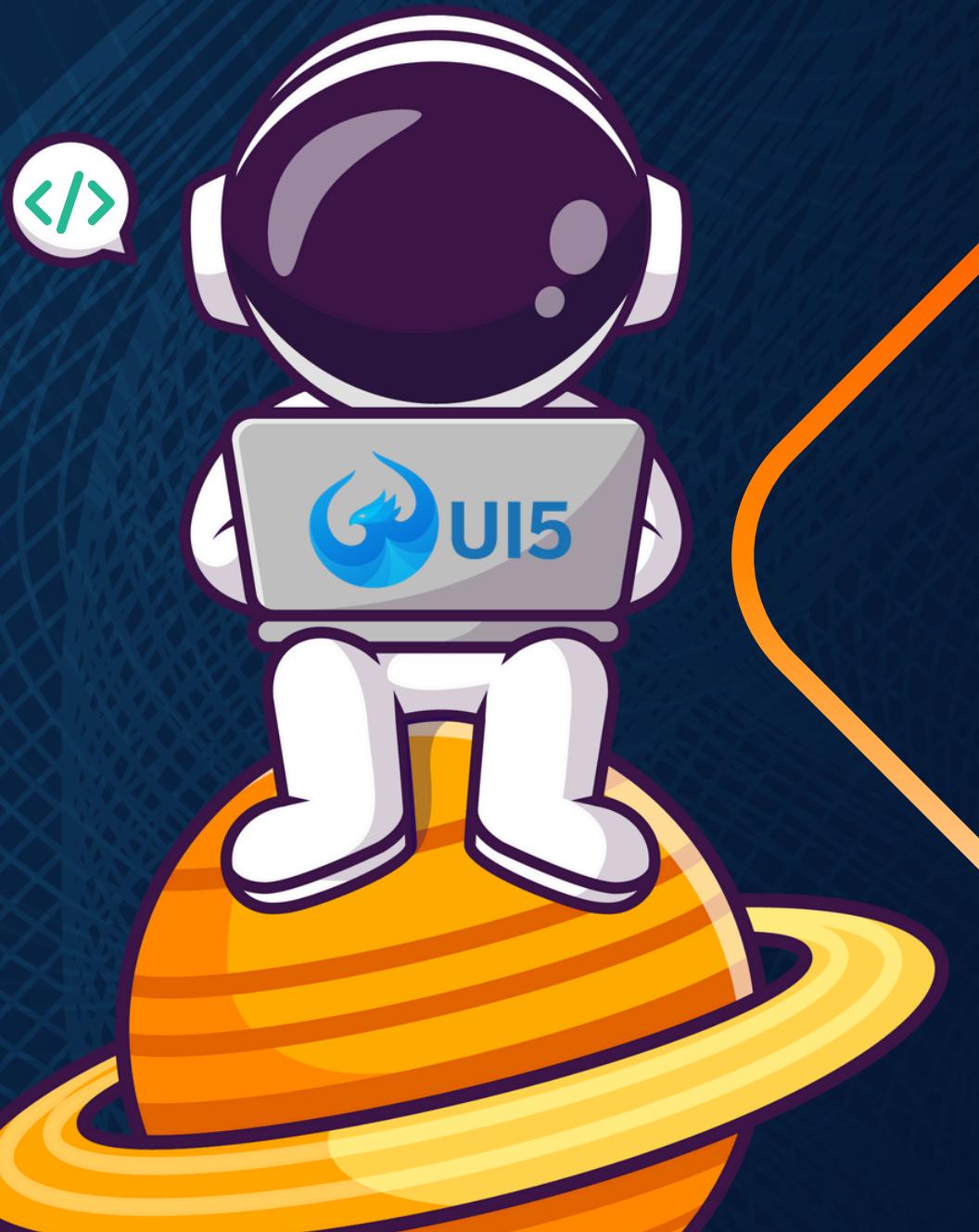




# Building your first UI5 tooling extension

UI5Con 2024 | 5th June 2024



# About the Speakers



## Vivek Gowda

BTP / UI Consultant (INTEGRTR)

- 𝕏 [TheVivekGowda](#)
- in [/in/thevivekgowda](#)
- ⌚ [TheVivekGowda](#)

“

SAP Consultant who cherishes JavaScript and UI5, finding joy in simplifying intricate business scenarios into user-friendly interfaces.



## Nitish Mehta

CoFounder & CEO, India (INTEGRTR)

- 𝕏 [nitish\\_mehta](#)
- in [/in/nitishmehta08](#)
- ⌚ [nitish-mehta](#)

“

Using technology to simplify things since 2012

# Agenda

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**Understanding  
UI5 Tooling**



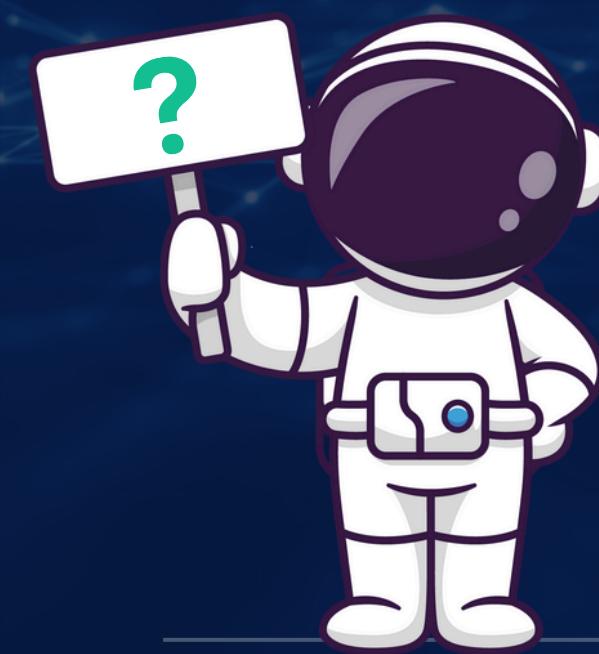
**Quick Showcase:  
Extending UI5 Tooling**



**HANDS-ON !  
(Lets Build it Together)**

”

Have you used **ui5-tooling**  
in your projects?



# Overview - UI5 Tooling

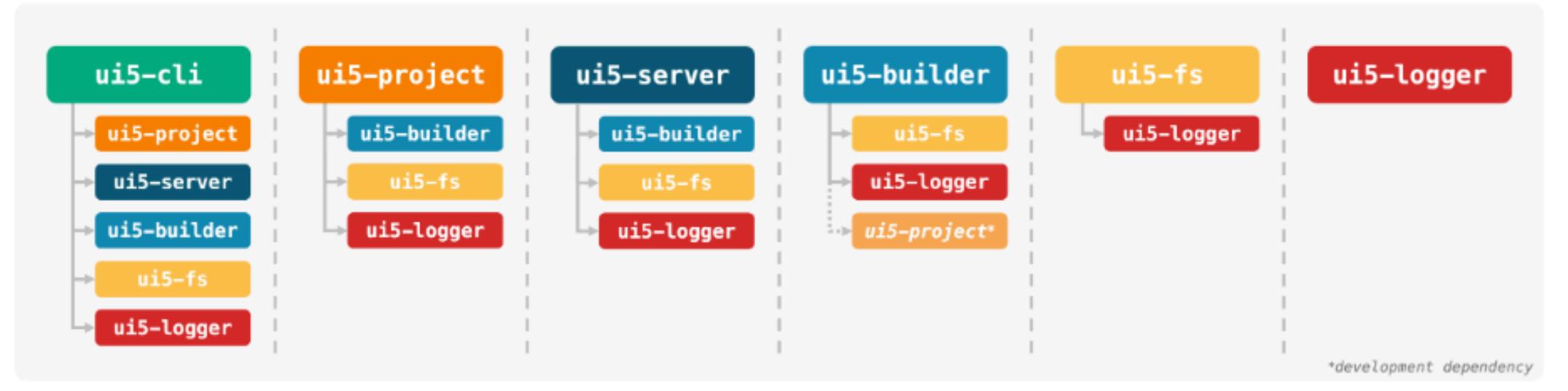


## Modules

UI5 Tooling consists of multiple modules. Each one is managed in a separate repository:

- [ui5-cli](#): UI5 Command Line Interface, utilizing all of the following modules
- [ui5-project](#): Modules for building a UI5 project's dependency tree, including configuration
- [ui5-server](#): Modules for running a UI5 development server
- [ui5-builder](#): Modules for building UI5 projects
- [ui5-fs](#): UI5 specific file system abstraction
- [ui5-logger](#): Internal logging module

Usage Overview (arrows indicate dependencies)



<https://github.com/SAP/ui5-tooling>



# Middlewares

Server Capabilities for Local Development Environment

## Standard Middlewares

CORS

CSP Headers

Serve Themes

Serve Index

## Custom Middlewares

Transpile

String Replacer

LESS

Live Reload

# Tasks

## Control and Improve UI5 Deployment Builds

### Standard Tasks

Minify

Replace Copyright

Build Themes

ComponentPreload

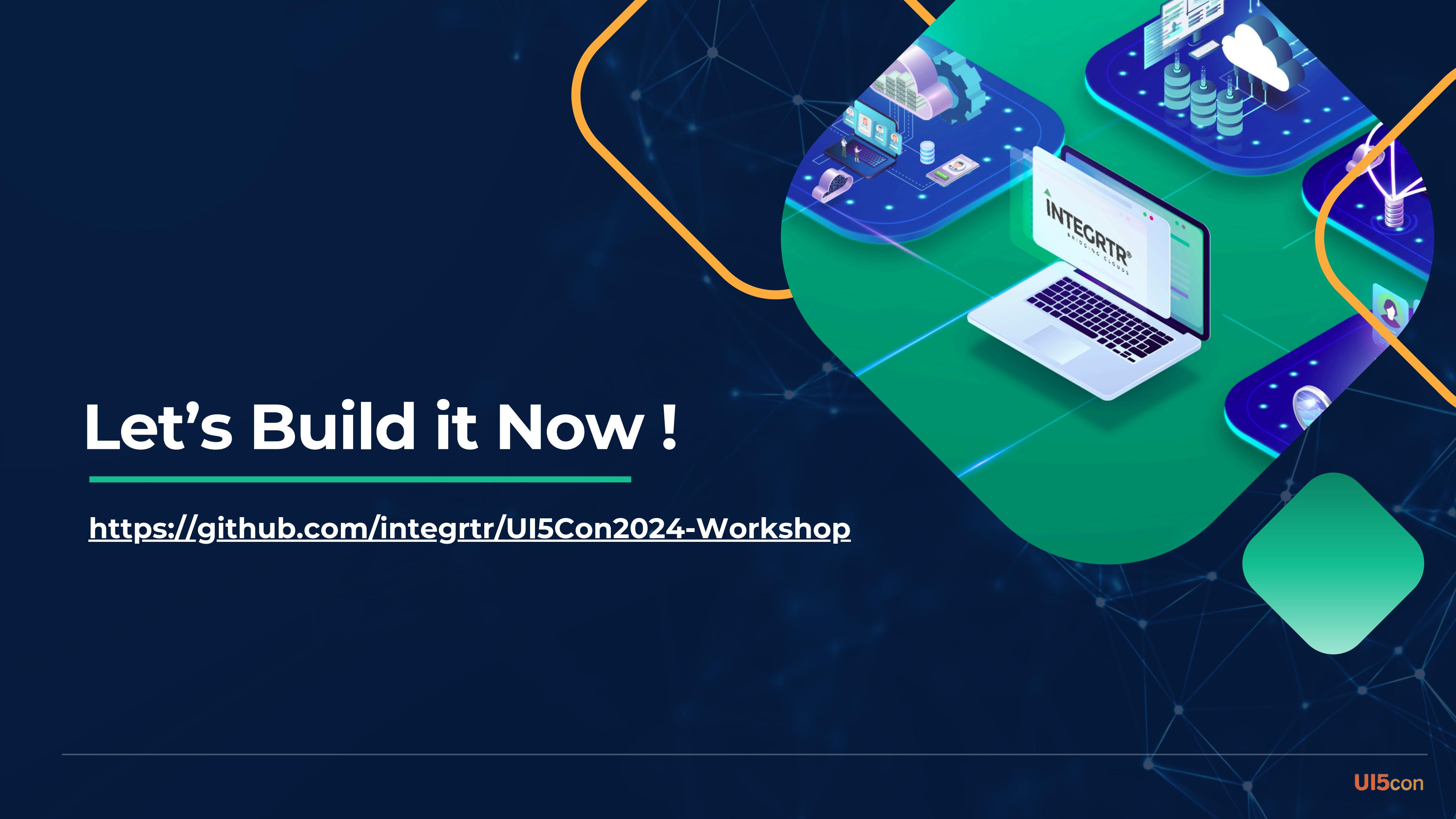
### Custom Tasks

Transpile

String Replacer

LESS

i18n check



# Let's Build it Now !

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<https://github.com/integrtr/UI5Con2024-Workshop>

# The tooling evolution!

Before it all began:

Grunt/Gulp/WebPack  
UI5 Tooling v1



UI5 Tooling v2  
April 1, 2020



latest & stable version A small icon of a party popper with confetti.

UI5 Tooling v3  
Feb 9, 2023



UI5 Tooling V4  
(coming soon A yellow and black striped barrier icon with a small arrow pointing right, indicating an upcoming release.



# Thank You !

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