





#### **Christian Lechner**

Development Architect @ SAP

Microsoft MVP – Azure

**Love Serverless** 

Twitter: @lechnerc77





### Typical steps for a new dev project

- Setting up the dev environment
- Creating the basic app setup according to best practices ("blueprint")
- Defining the necessary infrastructure as code
- Setting up CI/CD according to corporate guidelines
- Ensure that everything follows the security and compliance baselines of the company

# How those steps are often applied out there in the "wild"

- Manuals how to set up your dev environment of course different per project
- Development guidelines and best practices in Word, wikis or GitHub pages
- Repositories with code samples/templates (outdated/not centralized)
- Setup of infrastructure and CI/CD in a per project approach ... from scratch
- Endless wiki pages around security and compliance

Wouldn't it be great to have ...

One tool to solve all challenges

One setup covering all requirements



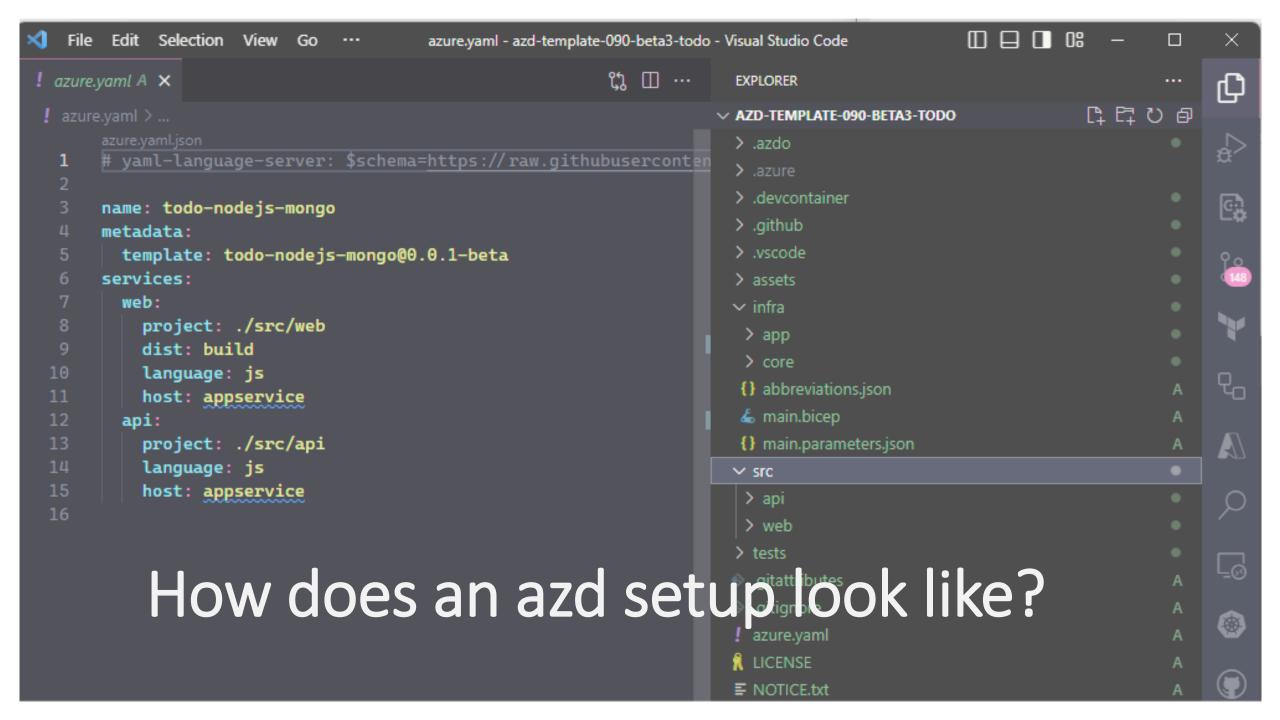
## The Azure Developer CLI



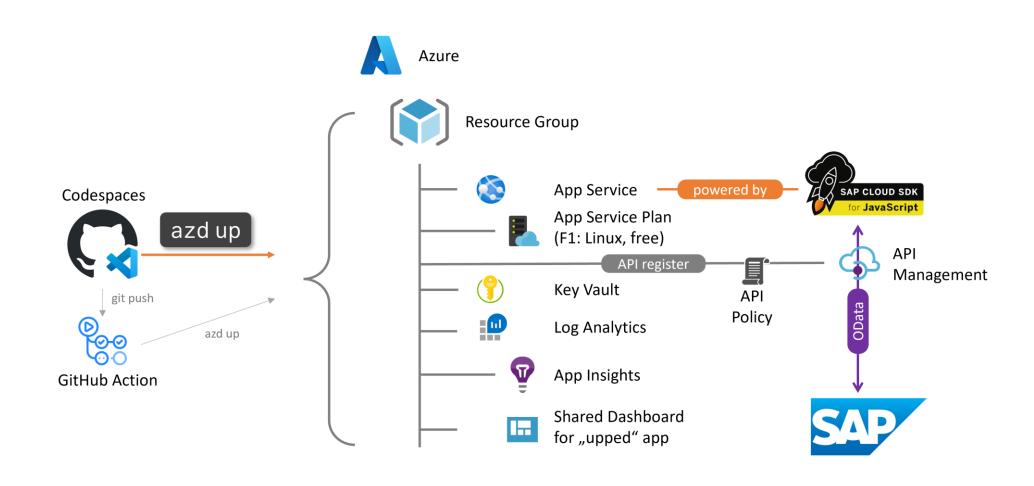
#### What is the Azure Developer CLI

Azure Developer CLI (azd) is an open-source tool that accelerates the time it takes for you to get your application from local development environment to Azure. azd provides best practice, developer-friendly commands that map to key stages in your workflow, whether you're working in the terminal, your editor or integrated development environment (IDE), or CI/CD (continuous integration/continuous deployment).

You can use azd with extensible blueprint templates that include everything you need to get an application up and running on Azure. These templates include reusable infrastructure as code assets and proof-of-concept application code that can be replaced with your own app code. You can also create your own template or find one to build upon.

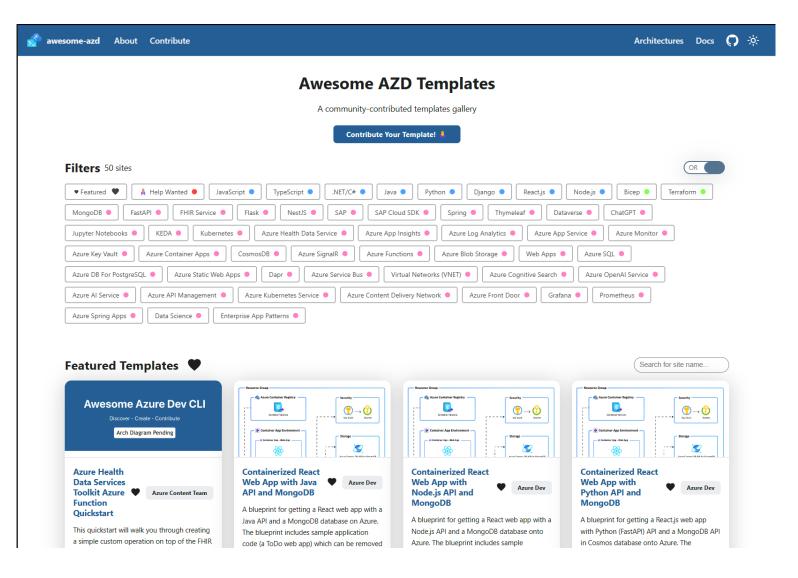


## Great, but can this thing also tackle sophisticated setups?





#### Ecosystem



## Our take on azd

- Very comprehensive tool
- Streamlines the dev setup a lot (even without AI ☺)
- Complex scenarios are feasible without breaking your fingers
- Great support from azd team (really open to feedback!)
- More experience (at least for us) is needed to shape best practices like hooks and structuring of CI/CD

Questions



## Additional links

- azd on GitHub: <a href="https://github.com/Azure/azure-dev">https://github.com/Azure/azure-dev</a>
- azd Documentation:
   <u>https://learn.microsoft.com/azure/developer/azure-developer-cli/overview</u>
- Awesome AZD Templates: <a href="https://azure.github.io/awesome-azd/">https://azure.github.io/awesome-azd/</a>
- Our quickstarter on GitHub: <a href="https://github.com/Azure-Samples/app-service-javascript-sap-cloud-sdk-quickstart">https://github.com/Azure-Samples/app-service-javascript-sap-cloud-sdk-quickstart</a>