



# How we develop a state-of-the-art **SAP Portal** using **UI5** and more!

Kristian Kraljic, SAP  
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THE BEST RUN 



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# Agenda

**Introduction** (10 Minutes)

**Technical Talk** (25 Minutes)

**Q & A** (20 Minutes)

# SAP for Me Community Calls



## Series / Technical Mini-Series:

How we develop a state-of-the-art  
SAP Portal using UI5 and more!

Part I: Frontend

Part II: Performance & Backend

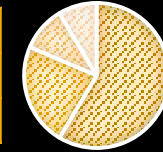
Expect further sessions about SAP for Me



## SAP for Me Framework



SAP for Me Frontend



SAP for Me Backend

Verticle

Verticle

Verticle

Event Bus



Cloud Platform  
CLOUD FOUNDRY

# Our Mission and **Journey to Great CX**



*We build and operate ...* **SAP for Me**

# Introducing **SAP for Me**



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**SAP for Me Performance**



Our journey to a One-Second-Bootstrap!

# Demo Time! \*

\* you would not believe me, if I would have just told you that we are using UI5 and made it to a sub-second boot time of our application, so I thought I'd show you first!

# Going Down the Rabbit Hole of Performance Optimization



- ❖ **UI5 Evolution:** A huge asynchronous step forward!
- ❖ **The New UI5 Build Tooling & Open Source are your Friends:** Local / fast-pace development, bring your own IDE, bootstrap optimizations, magnifications, custom build tooling using Gulp, ...
- ❖ **Fake it, until you make it:** Perceived loading time optimizations (slash screens, hero elements, loading skeletons, ...)
- ❖ **Going for the Last Mile:** Optimizing infrastructures (Akami CDN)
- ❖ **Digging deep:** Browser network thread optimizations



# SAP for Me **Backend**

# Settling on Cloud Native / Open Source

## A choice rather than a necessity

Again, **Open Source is your friend!** And going for **cloud + open source** is like a “match made in *heaven*” (\*phun\* intended)! Think about it:

Nowadays we are able to build distributed systems with ever growing complexity, hosted in the cloud, on virtualized hardware, all based on a community driven movement called “open source” and that completely free of charge. All of this was unthinkable of, 15 years ago!

So, where is the challenge then? Now that everything is essentially free?

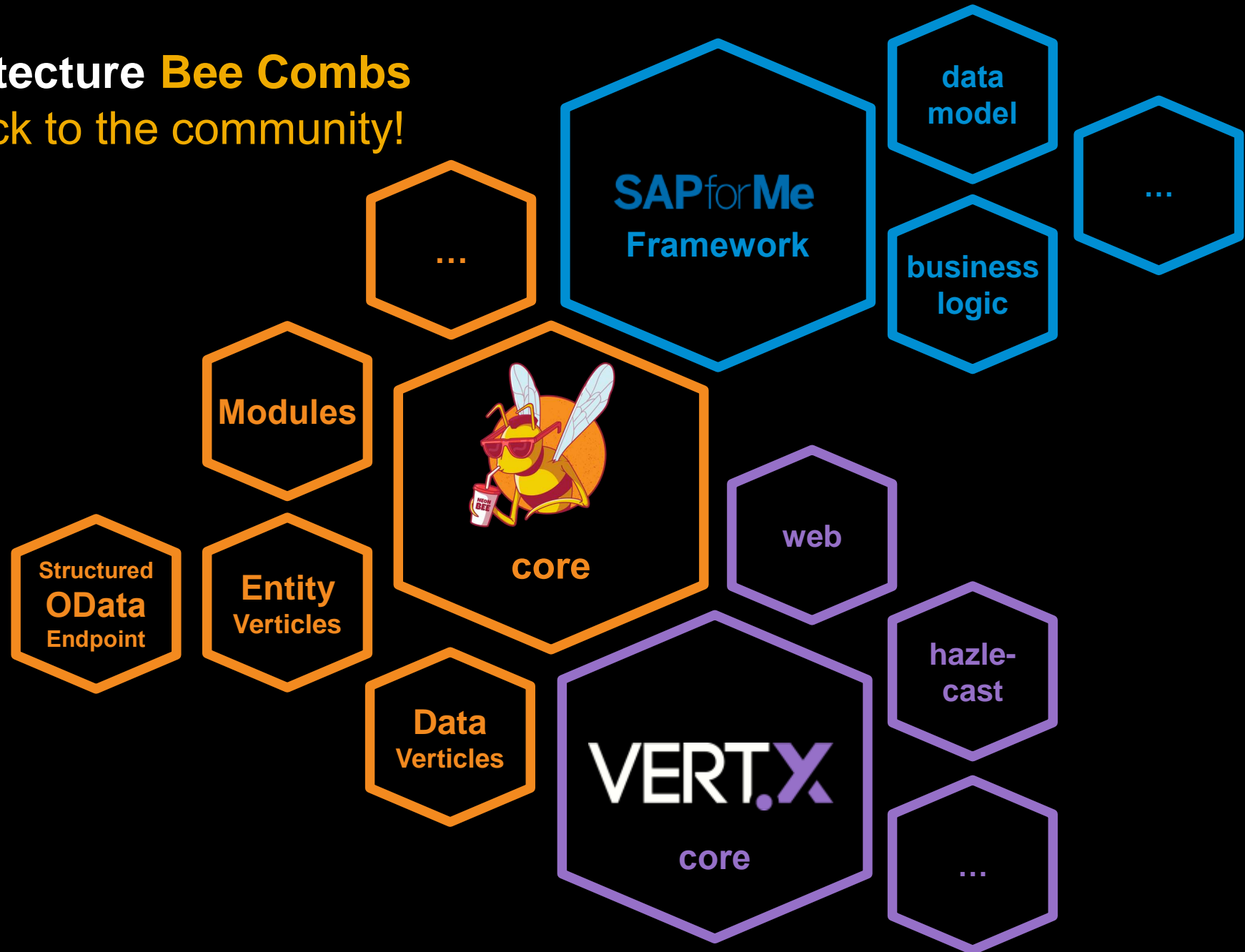
**Well... Knowledge isn't!: Learning, choosing & connecting the dots is a major factor which cannot be neglected!**



octodex.github.com

# Backend Architecture **Bee Combs**

Contributing back to the community!



# The Virtues of **Developing Open Source**



1. It's for a **good cause!** (... and maybe we get some help along the way)
2. Easier communication with community in case of problems / issues / help needs etc.
3. We are always inclined to go with a better code quality, less code smells, a better architecture!
4. It's fun and opens **"A whole new world!"**



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<https://www.neonbee.io/>

# Thank you. Questions?

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[Reach out to me via Microsoft Teams](#)



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