SeedStack
The lean development stack

Marius MATEI
Adrien LAUER

What is SeedStack ?

A full-stack development solution

A scalable architecture for enterprise software
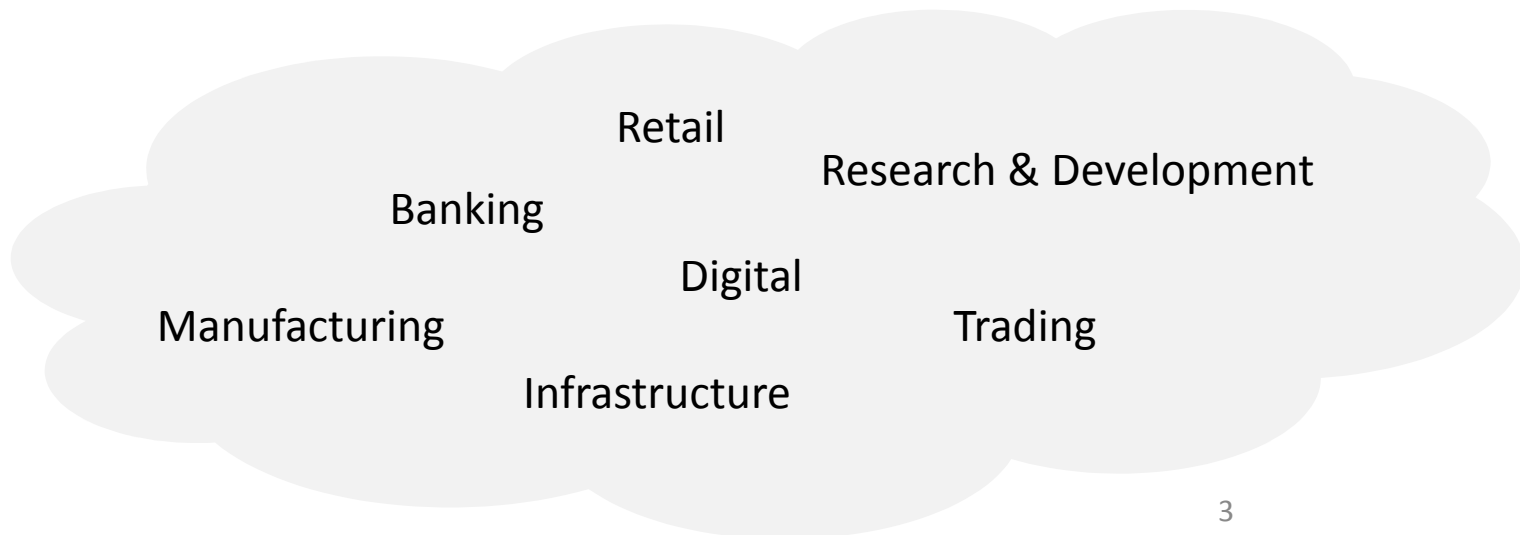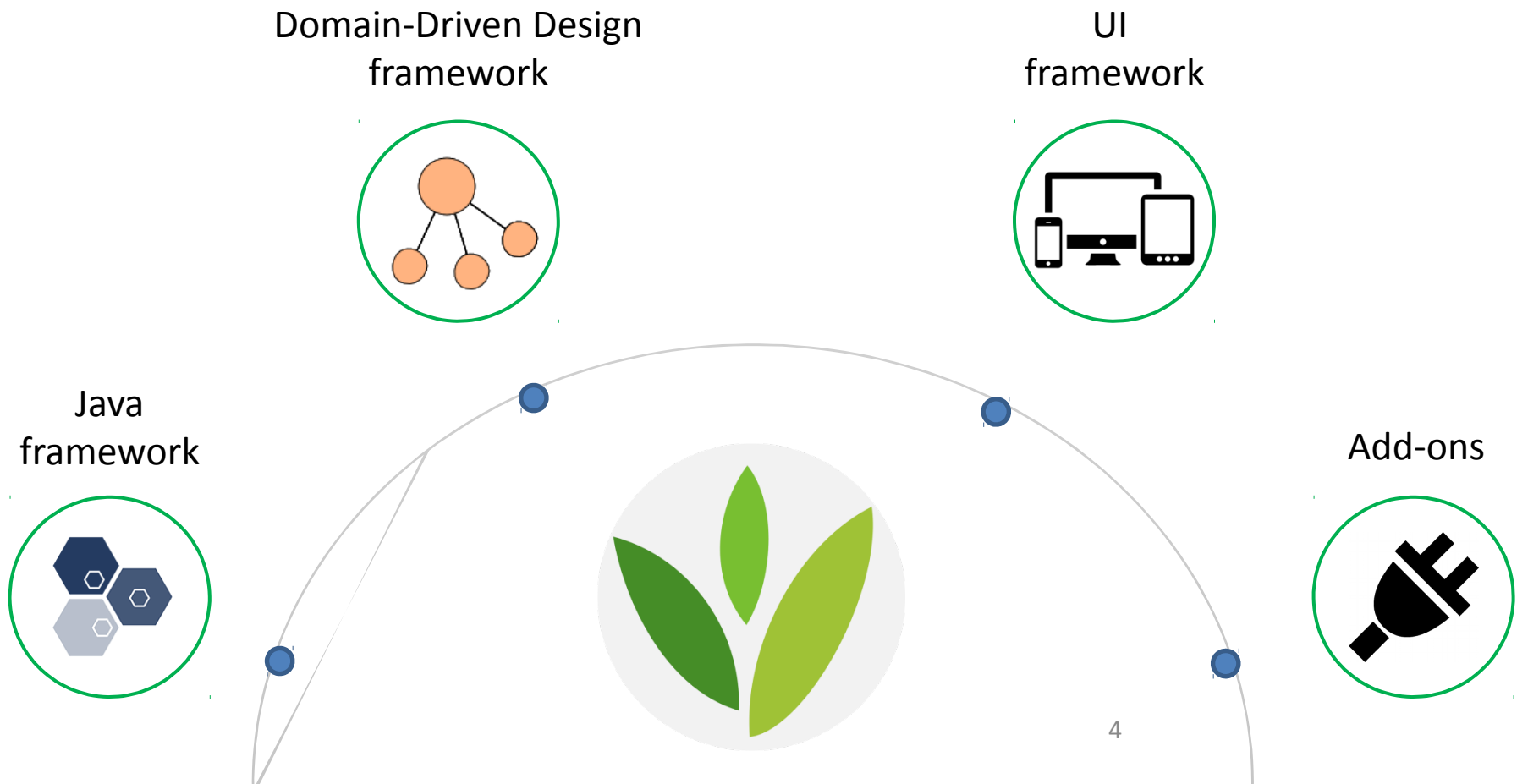
An extensible ecosystem of add-ons

Why SeedStack ?

To avoid software pitfalls common in the enterprise:

- Huge and complex monoliths
- No standard for business code
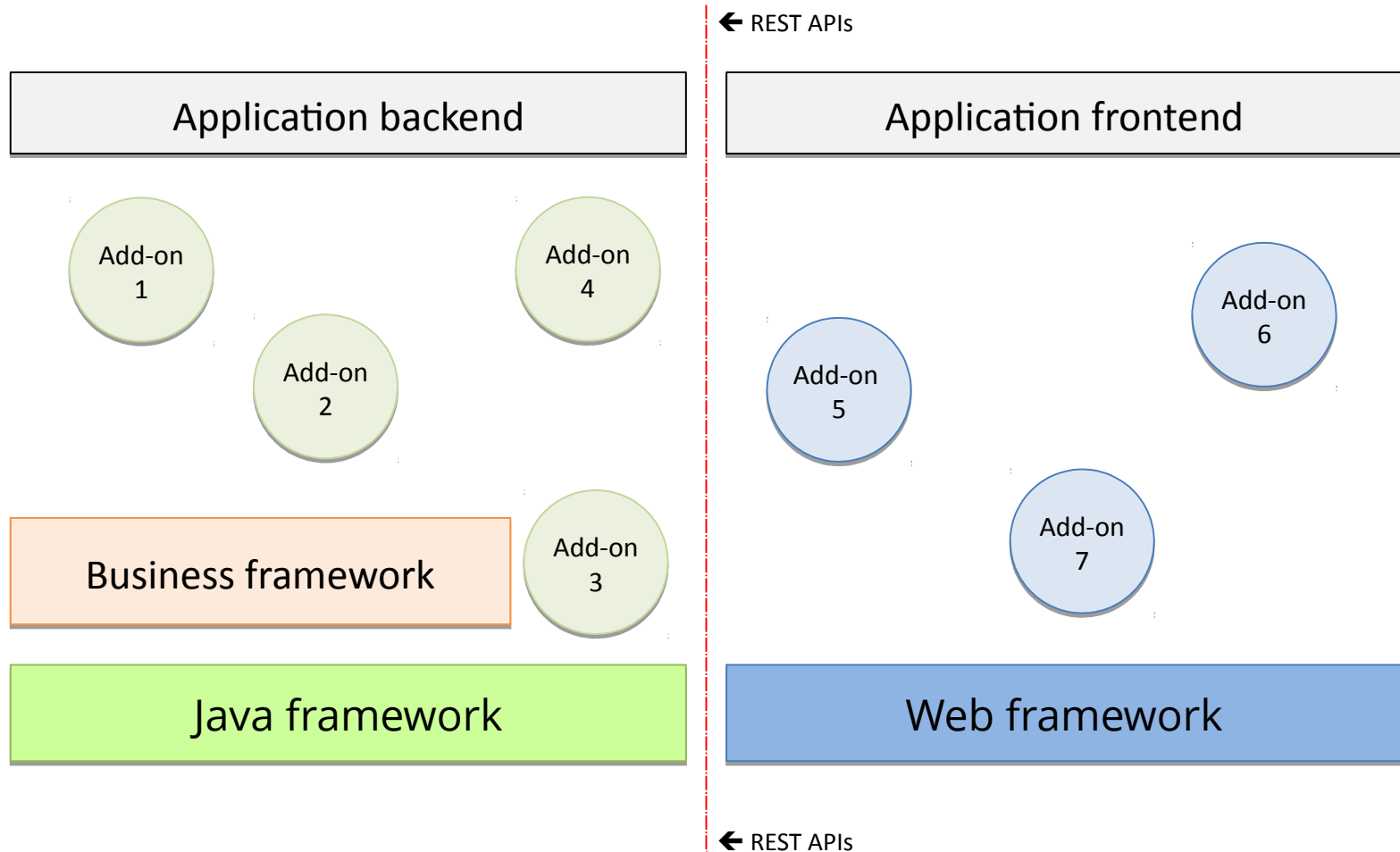- Poor reusability
- Poor dependency management

And build a software strategy to address various business cases:

Retail

Research & Development

Banking

Digital

Manufacturing

Trading

Infrastructure

Key components of SeedStack

Domain-Driven Design
framework

UI
framework

Java
framework

Add-ons

A typical SeedStack Web application

REST APIs ←

| Application backend | Application frontend |

- Add-on 1
- Add-on 2
- Add-on 4
- Add-on 3

Business framework

Java framework

- Add-on 5
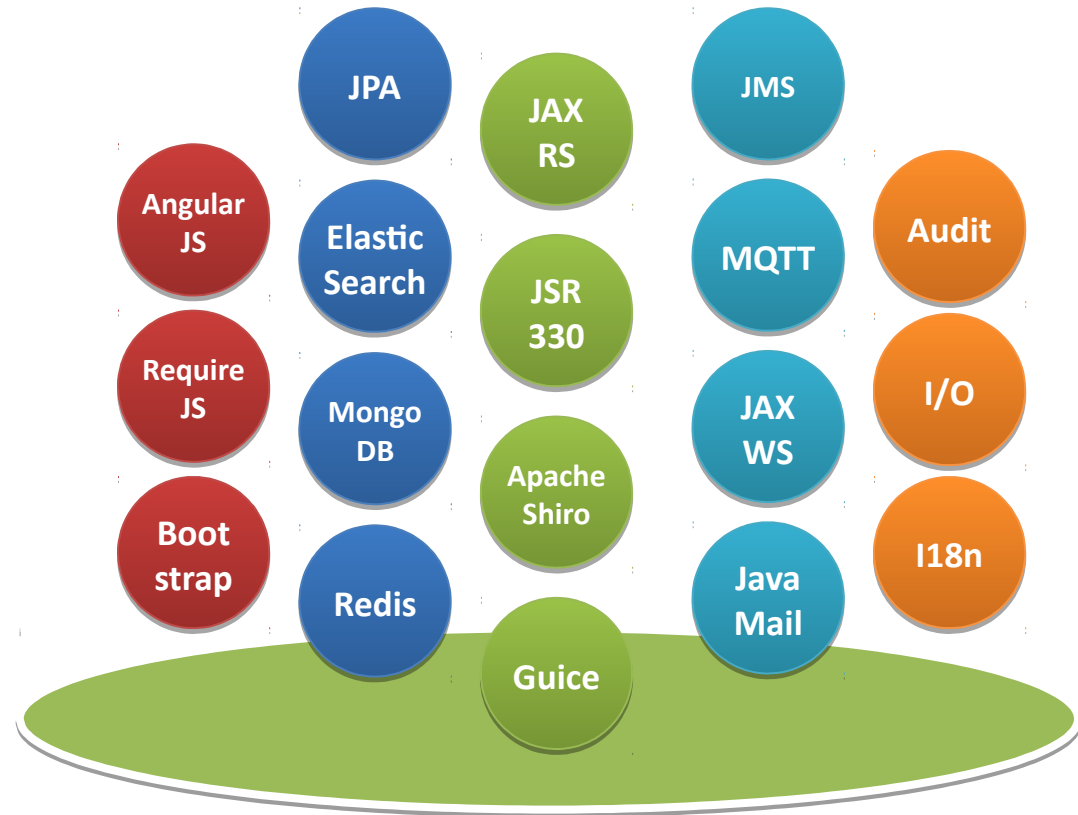- Add-on 6
- Add-on 7

Web framework

REST APIs ←

Themes

Project generation

An integration stack

Leverages existing software into something greater than the sum of its parts

Rely on standards where possible but can also integrate specific technologies

Open-Source

Business-friendly license: MPL 2.0

100% open-source:
- – Core frameworks
- – All official add-ons
- – Tools
- – Documentation (CC BY-SA)

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Can be extended with proprietary add-ons without restriction

https://projects.ow2.org/bin/view/seedstack

Benefits

A proven software architecture is defined and can be applied on all projects

Commonplace technical challenges are addressed

Business can contribute to software elaboration

Components can be reused accross organization boundaries

… and a real economic gain proven in PSA Group context