



SeedStack

The lean development stack

Marius MATEI
Adrien LAUER

What is SeedStack ?

A **full-stack** development solution

A **scalable architecture** for enterprise software

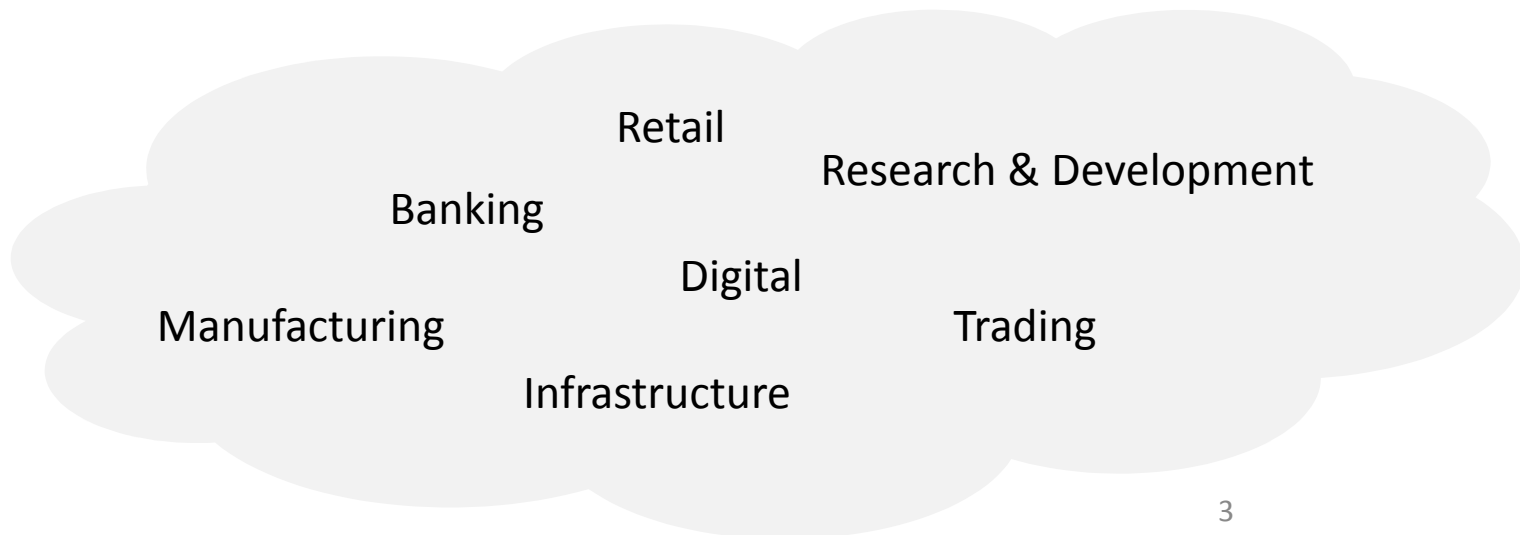
An **extensible ecosystem** of add-ons

Why SeedStack ?

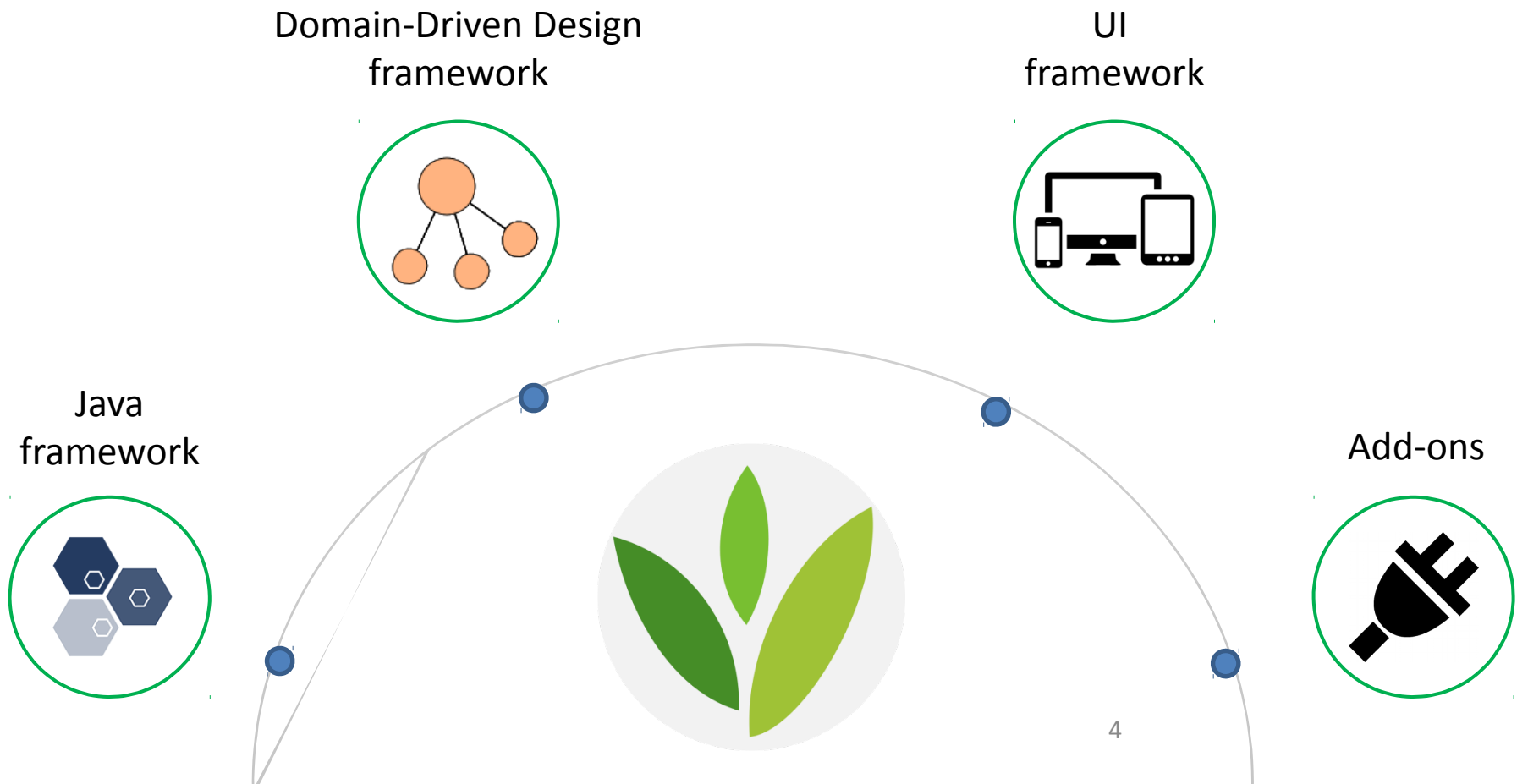
To **avoid software pitfalls** common in the enterprise:

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

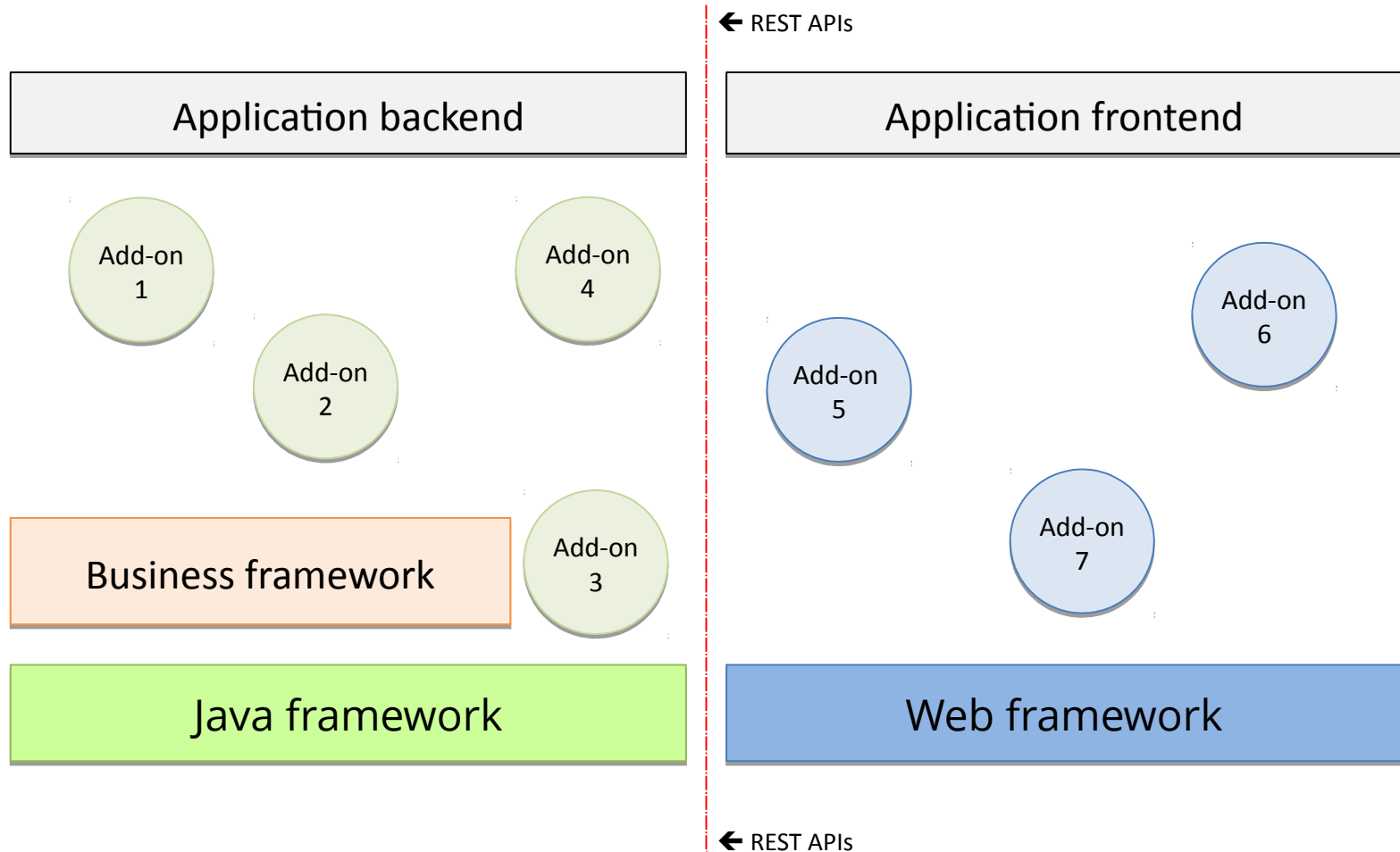
And **build a software strategy** to address various business cases:



Key components of SeedStack



A typical SeedStack Web application



Themes

The image displays three overlapping screenshots of web themes, each demonstrating a different layout and design style.

Top Theme: Bootstrap 3 Template

- Header:** "My application" with navigation links: Login, Online, English.
- Sidebar:** Contains "HOME" and "Components".
- Main Content:**
 - h1. Bootstrap 3**
 - h2. Heading 2**
 - h3. Heading 3**
 - h4. Heading 4**
 - h5. Heading 5**
 - h6. Heading 6**
- Bootstrap Framework:** A section with a paragraph of Lorem Ipsum text and a "Source" link.
- Bootstrap 3 Navbar:** A section with a "Title" and a "Link".

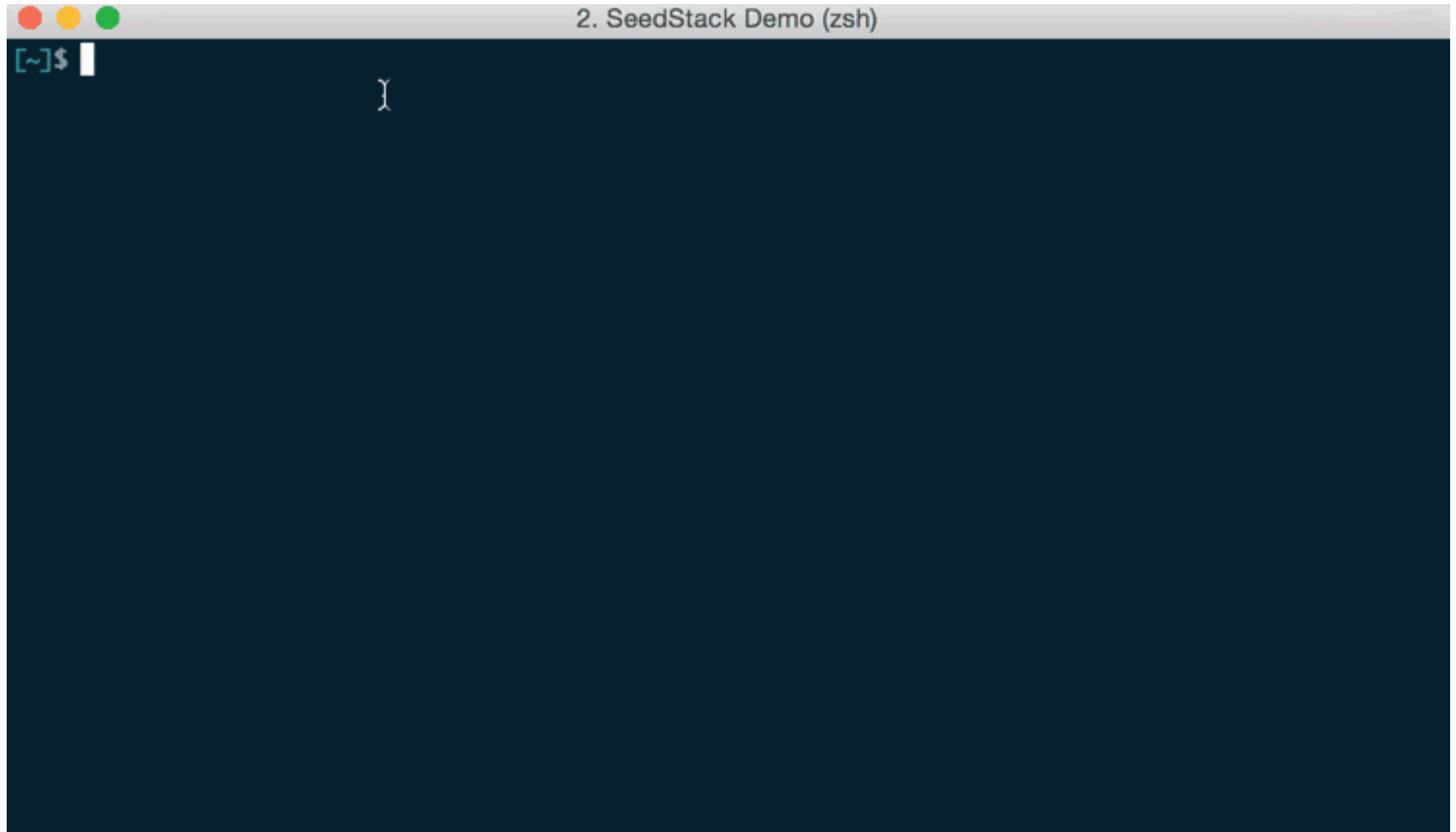
Middle Theme: Bootstrap 3 Navbar Template

- Header:** "Gestion des anomalies" with navigation links: CREATE NEW ISSUE, LIST ISSUES.
- Sidebar:** Contains "Accueil", "Lieux", "Anomalies", and "Contacts".
- Main Content:** A form for creating a new issue, including fields for Title, Description, Date, Labels, Assignee, and a checkbox for "Subscribe to notifications?".

Bottom Theme: Issue Management Application

- Header:** "Gestion des anomalies" with navigation links: CREATE NEW ISSUE, LIST ISSUES.
- Sidebar:** Contains "Accueil", "Lieux", "Anomalies", and "Contacts".
- Main Content:** A form for creating a new issue, including fields for Title, Description, Date, Labels, Assignee, and a checkbox for "Subscribe to notifications?".

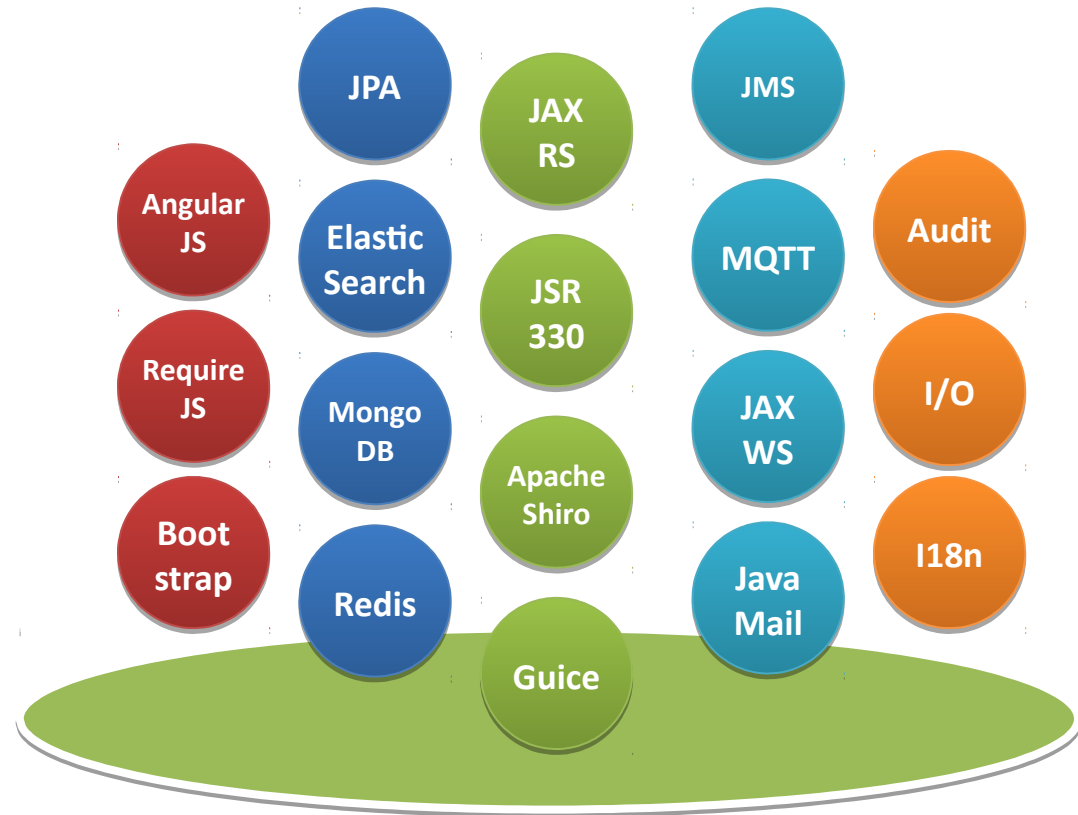
Project generation



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)

Copyright is held by collective « The SeedStack authors »

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