Apache Maven Survival Guide "Bring it on!"-Mode #no-external-tools

APACHECON NORTH AMERICA

🐦 @RichardFichtner

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Maven BoF
Today 5:50 pm
Room Muses 8th floor

Richard Fichtner

- 15+ years full-stack mostly Java

- XDEV Software
  - https://xdev.software

- Projects
  - https://rapidclipse.com
  - JUG Oberpfalz
  - JCON Co-Organisator
    https://jcon.one

@RichardFichtner

scan me

GUI Design - NPTest/src/com/company/nptest/ui/MyNewView.java - RapidClipse

File   Edit   Source   Refactor   Navigate   Search   Project   Run   XDEV Cloud   Window   Help

Quick Access   GUI Design   Debug
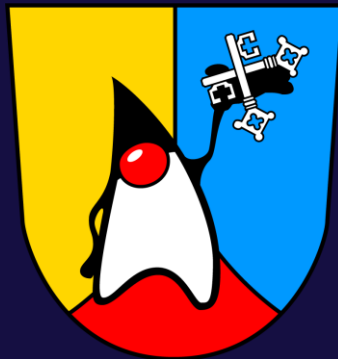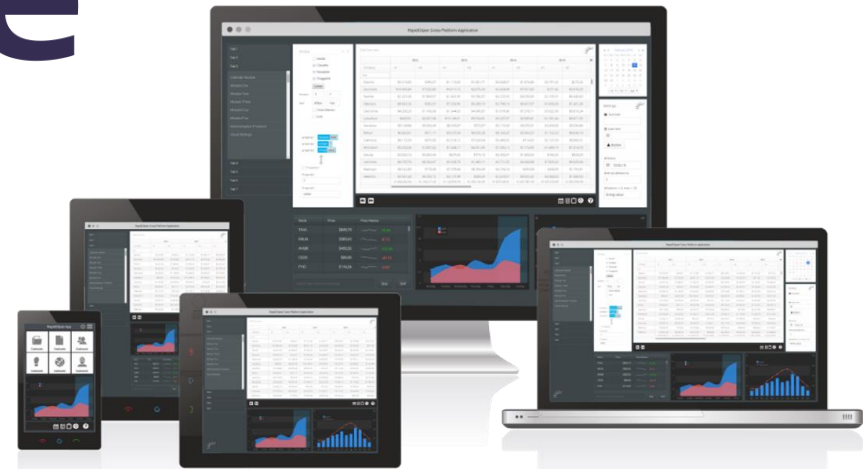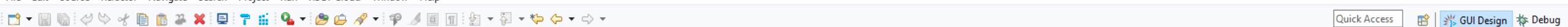
Project Management

Projects
- NPTest

Entities

Data Access

Business Objects

User Interface
- MainUI.java
- MainView.java
- MyNewView.java
- Servlet.java
- TestView.java

Themes
- NPTest

Resources
- images

Palette

Idle
Connect Components
Structure
- XdevGridLayout
- XdevBorderLayout
- XdevHorizontalLayout
- XdevVerticalLayout
- XdevFormLayout
- XdevAbsoluteLayout
- XdevPanel
- XdevTabSheet
- XdevAccordion
- XdevVerticalSplitPanel
- XdevHorizontalSplitPanel

Interaction
- XdevButton
- XdevNativeButton
- XdevProgressBar
- XdevLink
- XdevMenuBar

Data Input
- XdevTextField
- XdevTextArea
- XdevPasswordField
- XdevRichTextArea
- XdevPopupDateField
- XdevInlineDateField
- XdevComboBox
- XdevNativeSelect
- XdevListSelect
- XdevTwinColSelect
- XdevOptionGroup
- XdevCheckBox
- XdevSlider
- XdevUpload
- XdevColorPicker

Data Presentation
- XdevLabel
- XdevTable
- XdevTree
- XdevTreeTable
- XdevContainerFilterCompone
- XdevImage

MyNewView.java

Java   Design

MyNewView   gridLayout   gridLayout2   gridLayout3   gridLayout4

NPTest   100%

My Ticket

My Profile

Dashboard
Shop
Ticket-System
Support

Dashboard

Fenster ausschneiden

8810 €
TOTAL PROFIT

2541
NEW TICKETS

280
NEW USERS

FEEDS

New Order #65325

New Ticket #124587

New Order #54584

New User Max

Toolbox

Constraints

Align   Span   Weight   Width   Quick Settings
                                    10   ? 100 px %
                                    0   Height
                                                ? 100 px %

Structure
- MyNewView
  - gridLayout
    - horizontalLayout
      - label13
      - menuBar
        - menuItem
          - menuItem2
    - verticalLayout
      - button
      - button2
      - button3

Properties   Validation

gridLayout4 : XdevGridLayout

Object
Name   gridLayout4
Styles   tile
Visible   ☑
Enabled   ☑
Description
Icon   null
Immediate   ☐
Caption   null

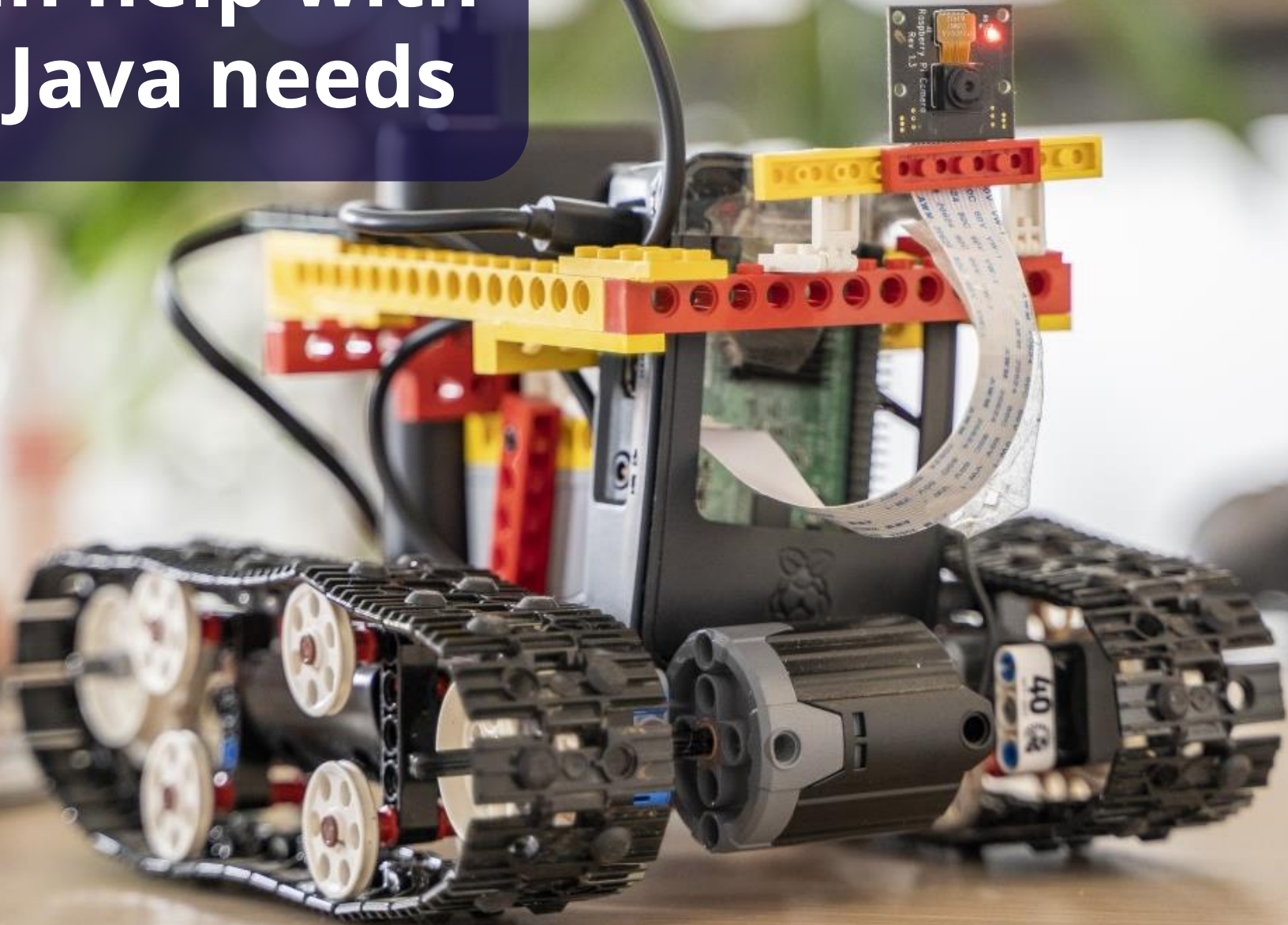WEB • MOBILE • DESKTOP
DEVELOP CROSS-PLATFORM APPLICATIONS

RAPIDclipse

ENTERPRISE RAPID JAVA DEVELOPMENT WITH ECLIPSE

See Also:
setAction(Action)
Action

NPTest   248M of 822M   LeadOverview.java

we can help with your Java needs

What is ~~Raven~~ Maven?

Resistence is futile
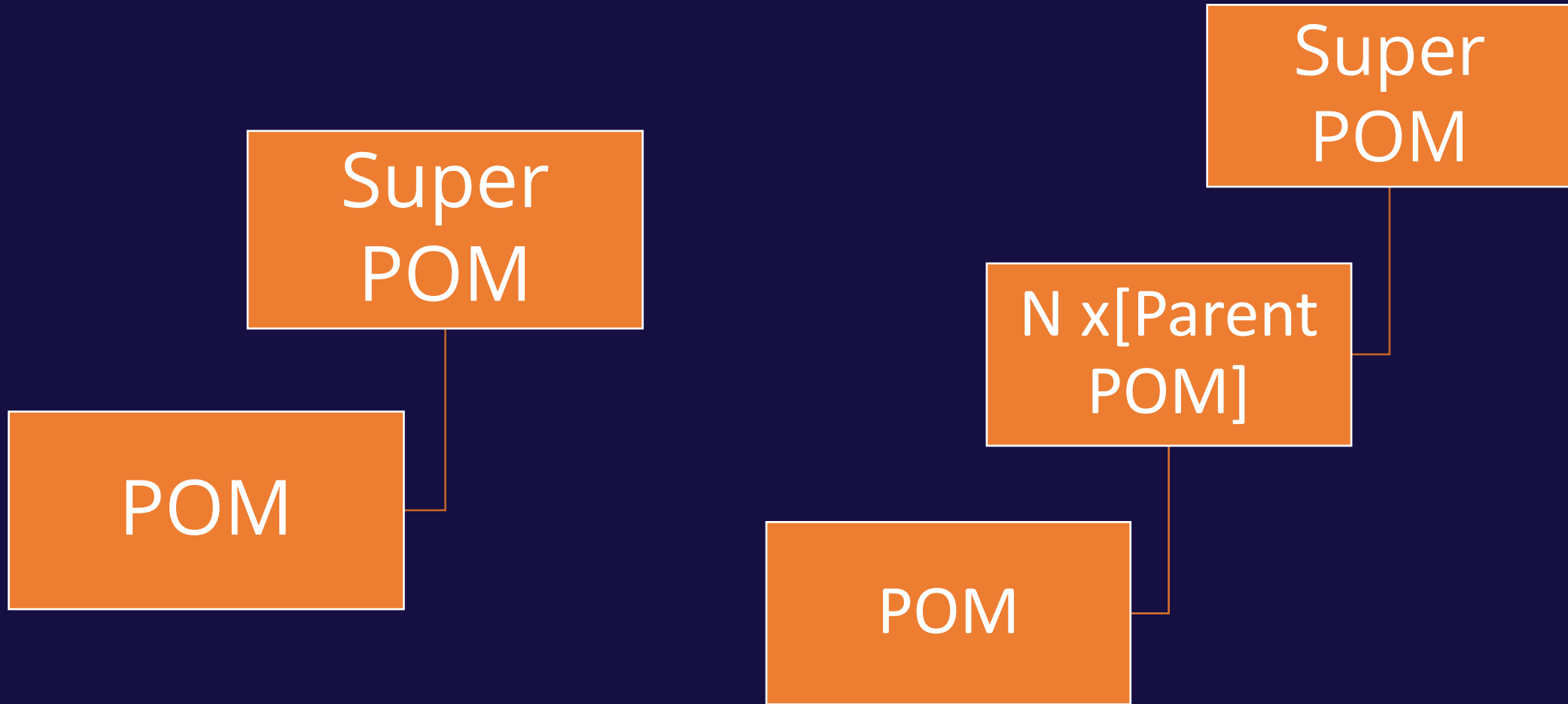
What is Maven?

I Am Devloper
@iamdevloper

Found an amazing new build tool, it's called "bash".

Really hope it catches on.

1. Build Tool

2. Dependency management

Super POM – Parent POM – POM

Super POM

Super POM

N x[Parent POM]

POM

POM

Maven Default Lifecycle Phases 1/2

1. validate - validate the project is correct and all necessary information is available

2. compile - compile the source code of the project

3. test - test the compiled source code using a suitable unit testing framework. These tests should not require the code be packaged or deployed

4. package - take the compiled code and package it in its distributable format, such as a JAR.

Maven Default Lifecycle Phases 2/2

5. verify - run any checks on results of integration tests to ensure quality criteria are met

6. install - install the package into the local repository, for use as a dependency in other projects locally

7. deploy - done in the build environment, copies the final package to the remote repository for sharing with other developers and projects.

Dependency management
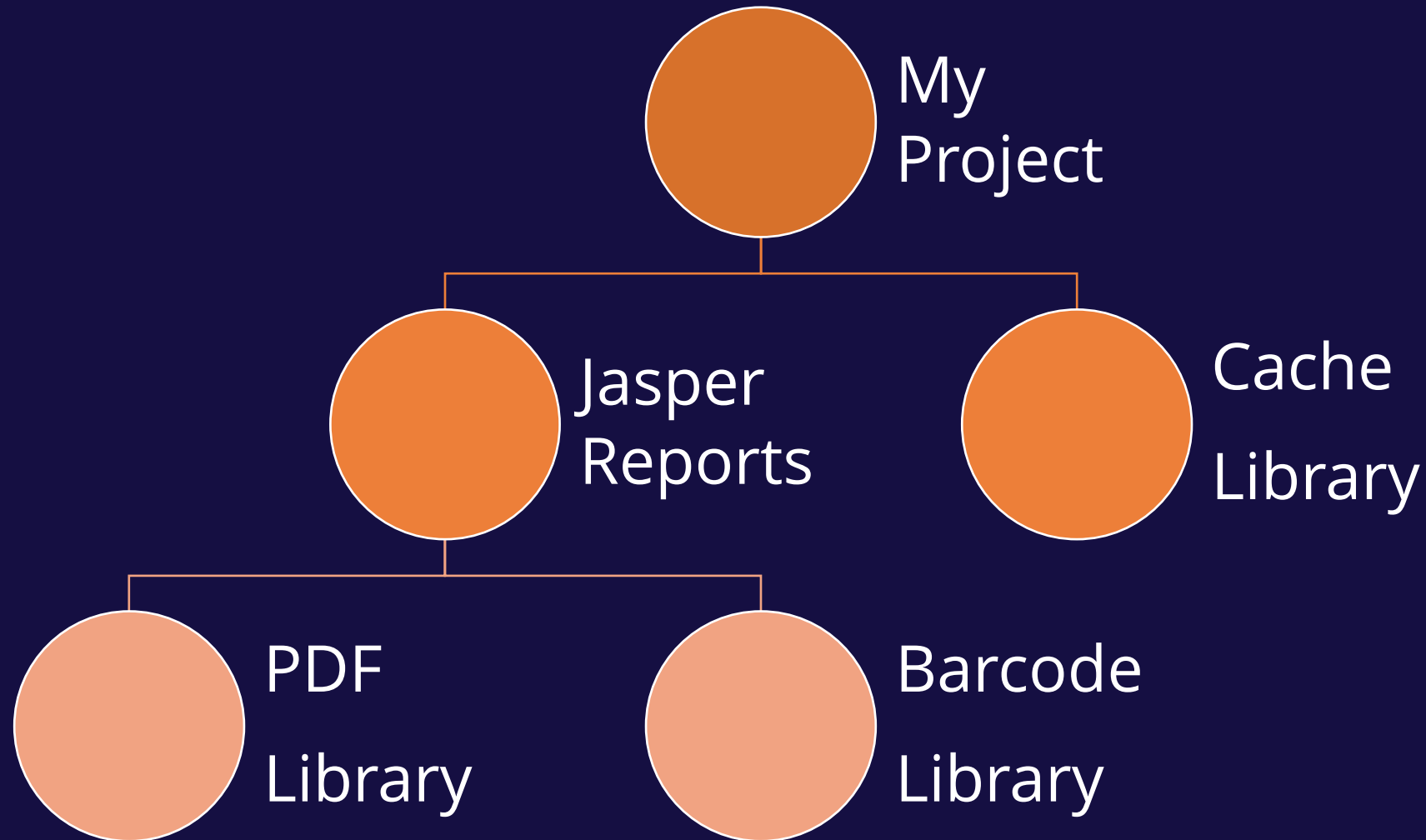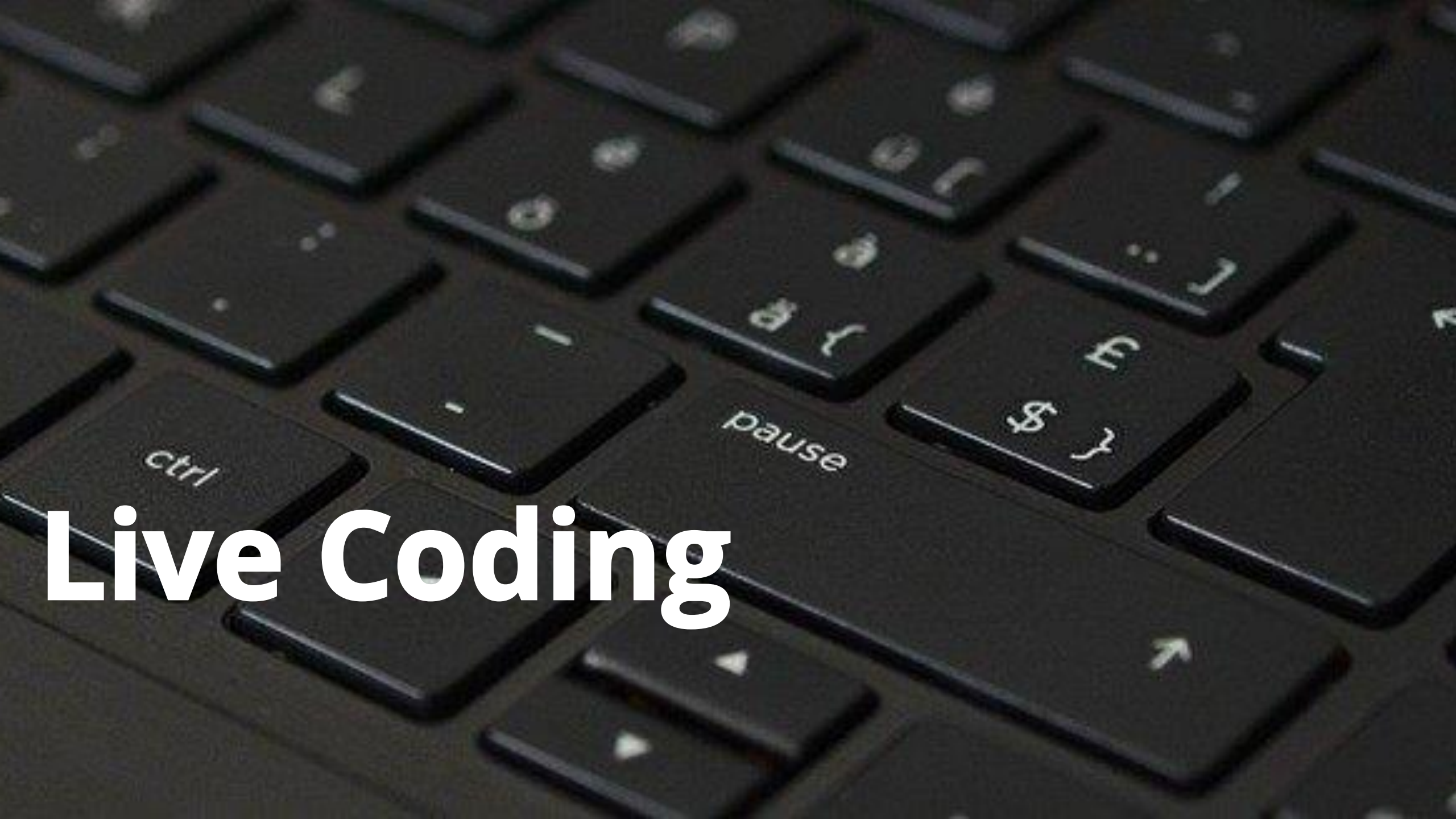
Live Coding

mvnd - the Maven Daemon

- https://github.com/mvndaemon/mvnd
- This project aims at providing faster Maven builds using techniques known from Gradle and Takari.

Jaromir Hamala
@jerrinot

The daemon makes Hazelcast build time to go down from 2 minutes to 1m20s. 👏🔥🚀

Code

All code / examples from this talk are available at:

https://github.com/rfichtner/maven-survival-guide/tree/Louisiana

SCAN ME

https://maven.apache.org/resource/branding/actioncards.html

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Q & A

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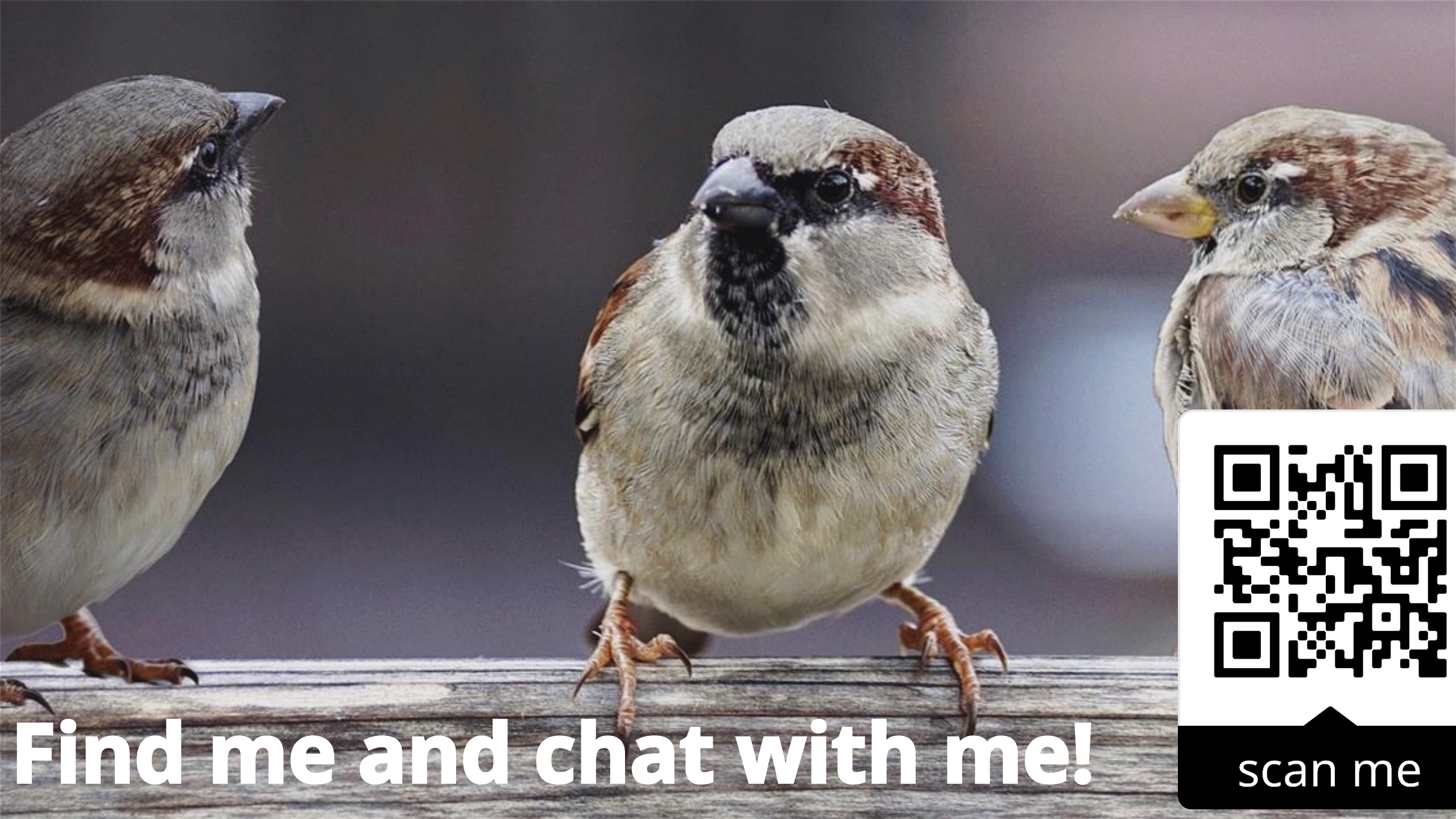
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