

FORGET LIFERAY

USE LIFERAY, INSTEAD

WHO I AM

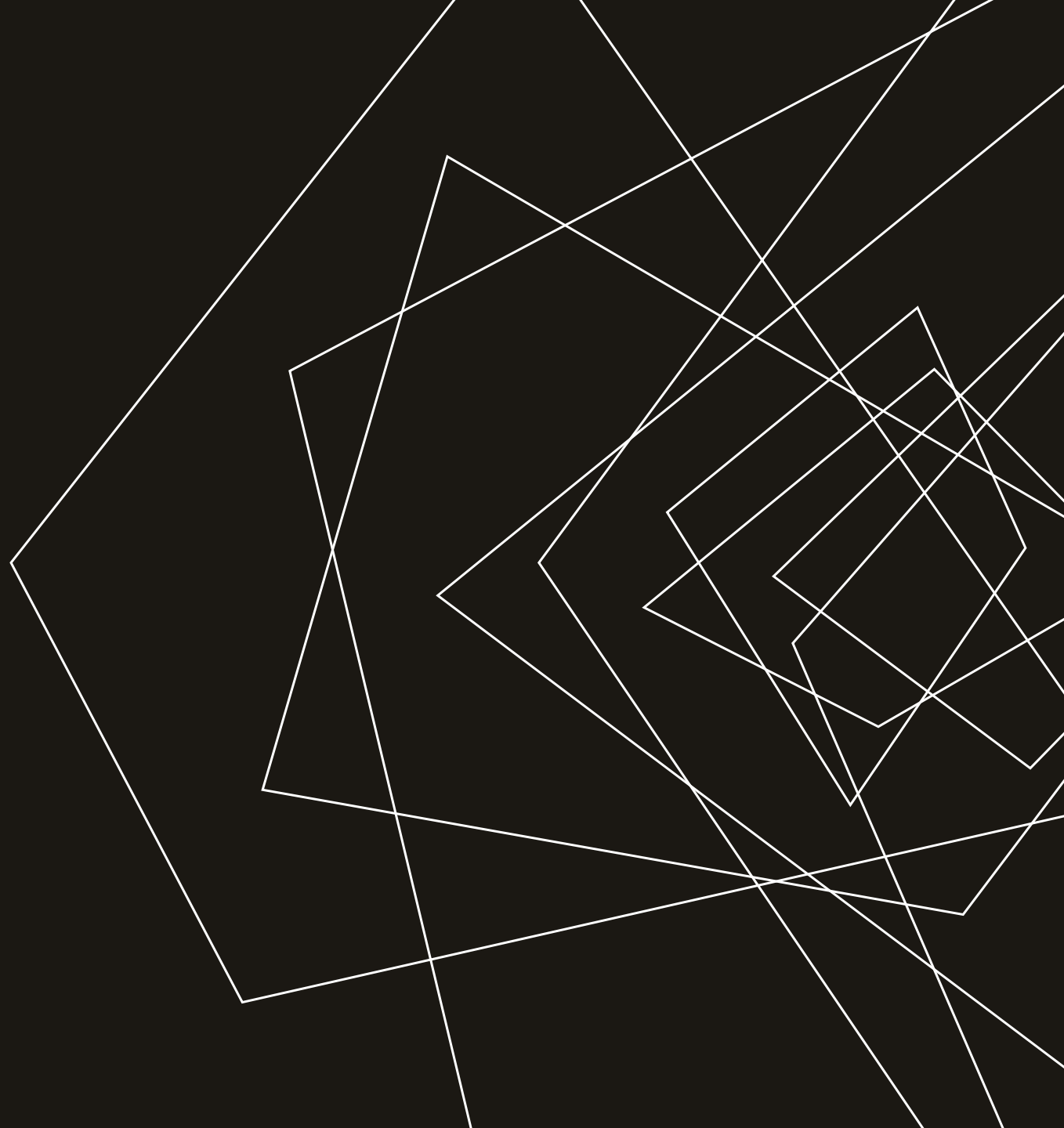
Name: Fernando Fernandez

Work: Java & Liferay team leader
at Inetum Portugal

Hobby: Liferay Users Group

Living: Lisboa

Born: Porto



TOURIST TIP FROM A NATIVE OF PORTO

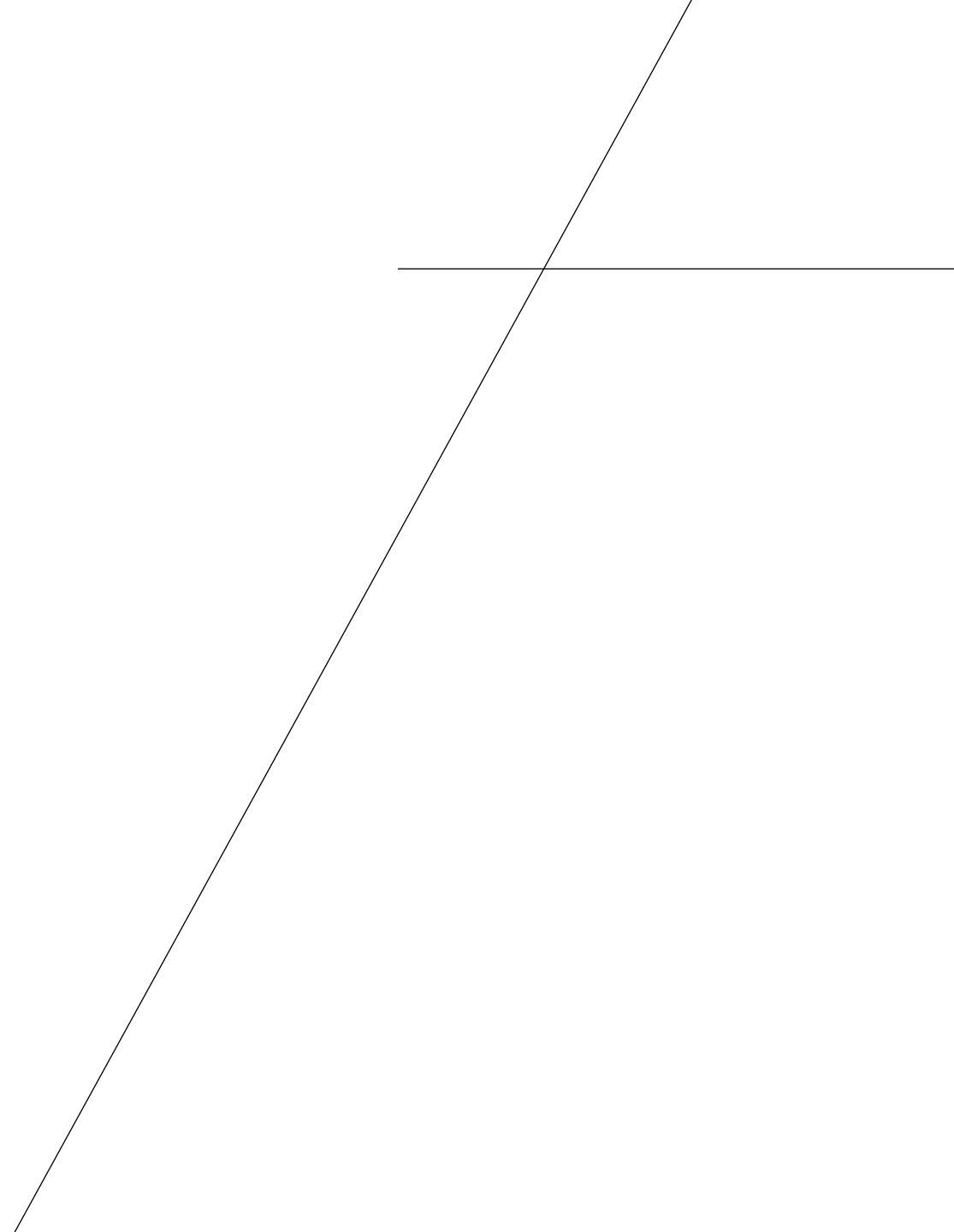


Francesinha
21st century “typical”

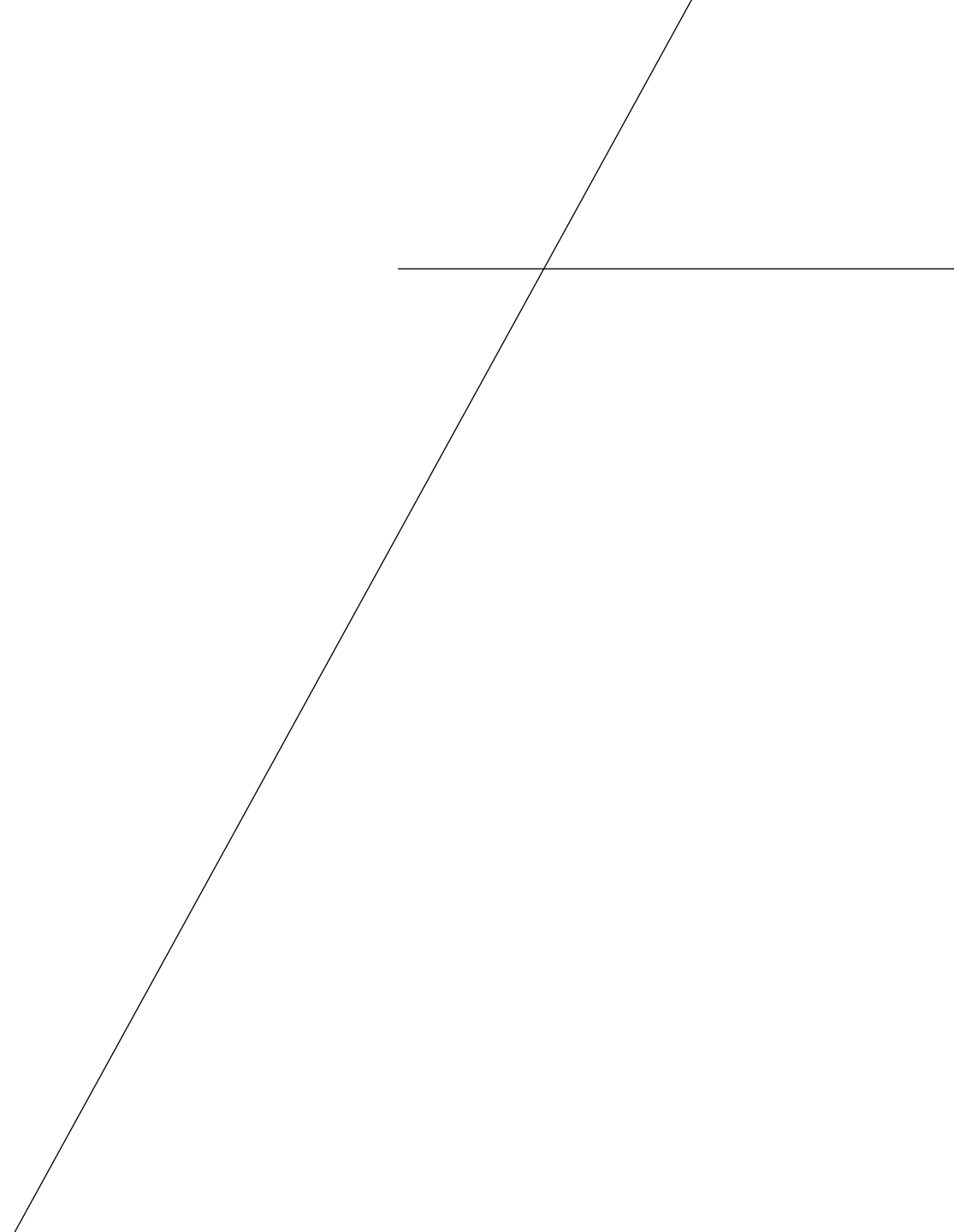


Tripas
15th century “typical”

QUESTIONS FOR THE
AUDIENCE



FOMO, ANYONE?



HISTORICAL CONTEXT

1995 _____ Java, including Applets – linked Java with the Internet explosion

1996 _____ Servlets - quickly adopted as major web platform; proprietary and open source alternatives

1998 _____ Enterprise Java Beans, riding the wave of SOA

2003 _____ The Portlet and the Portal offered by Sun, IBM, Oracle, Weblogic... and Liferay



TYPICAL LIFERAY USAGE

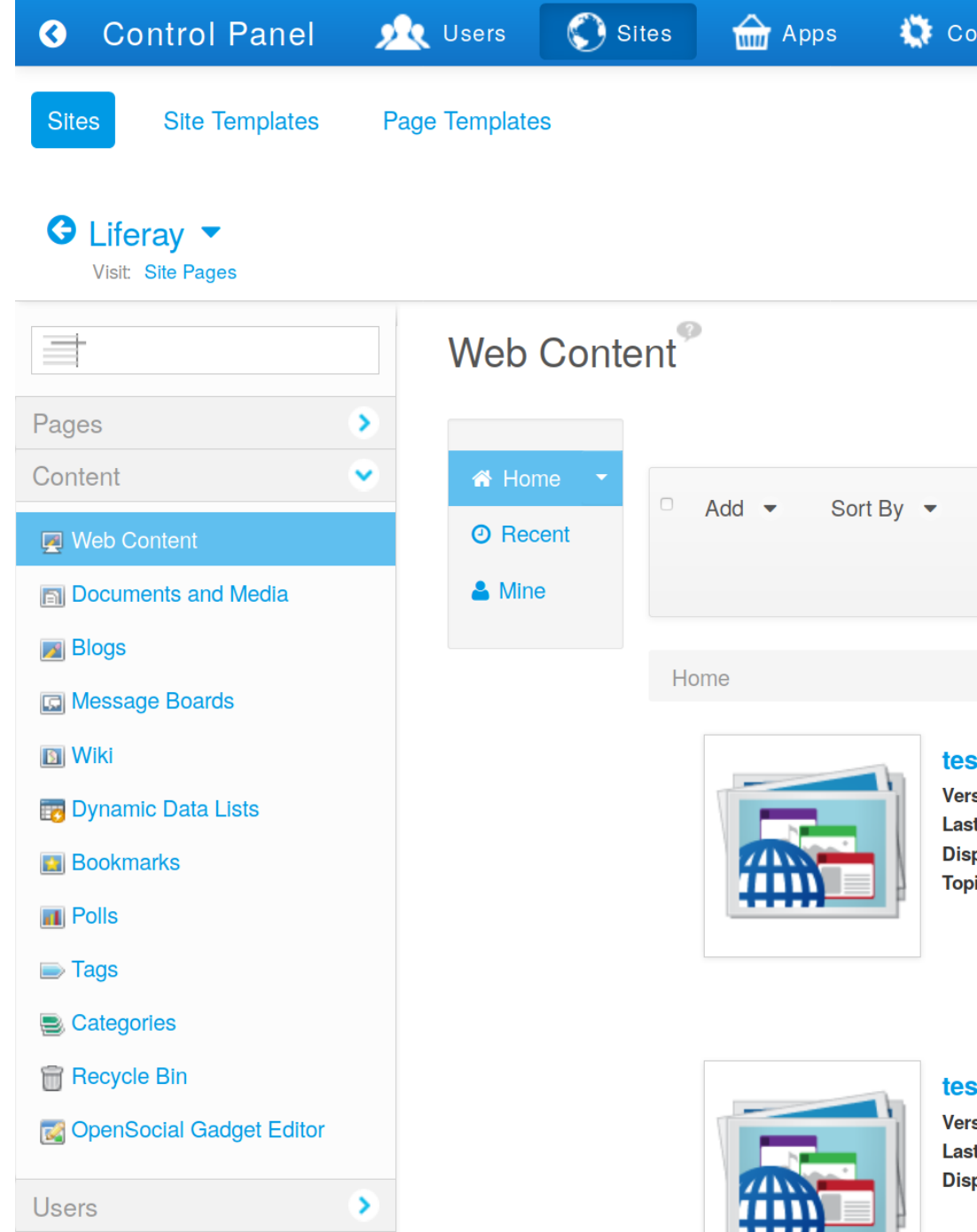
Managing sites, content, users

Running applications

Integrate with anything

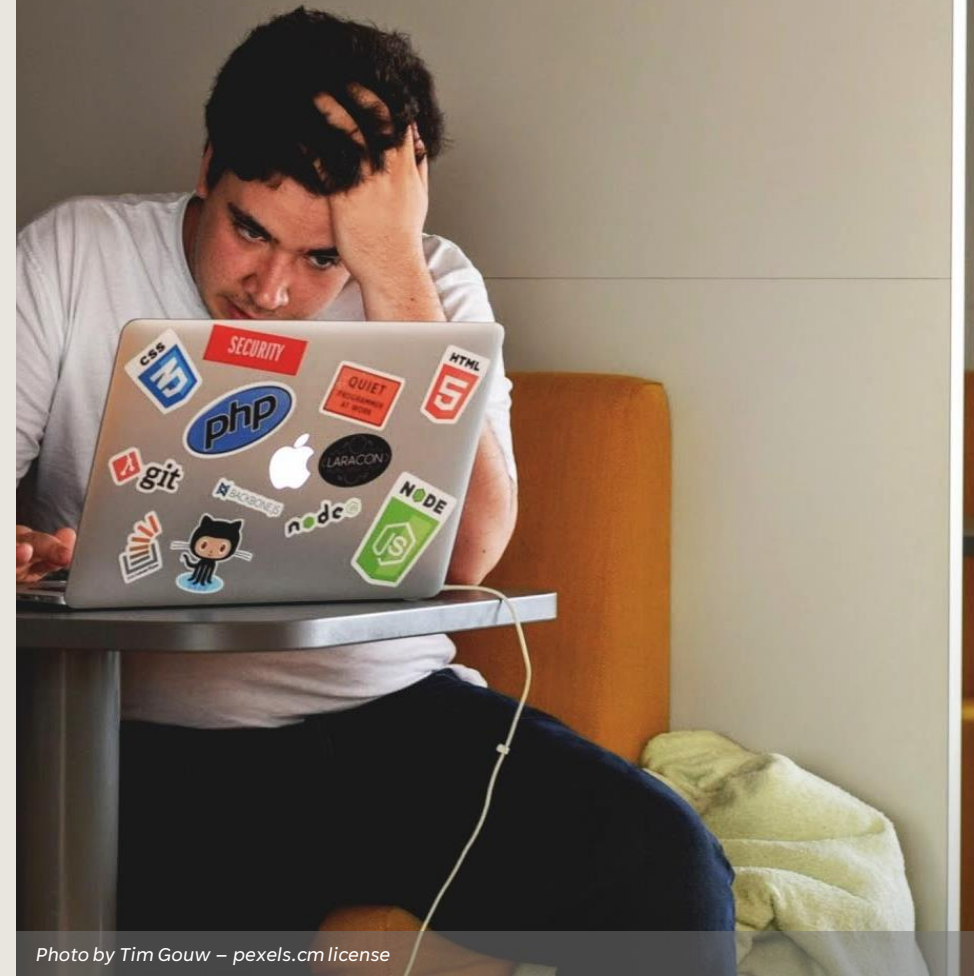
Flexible and extensible platform

Open, customizable and lower cost



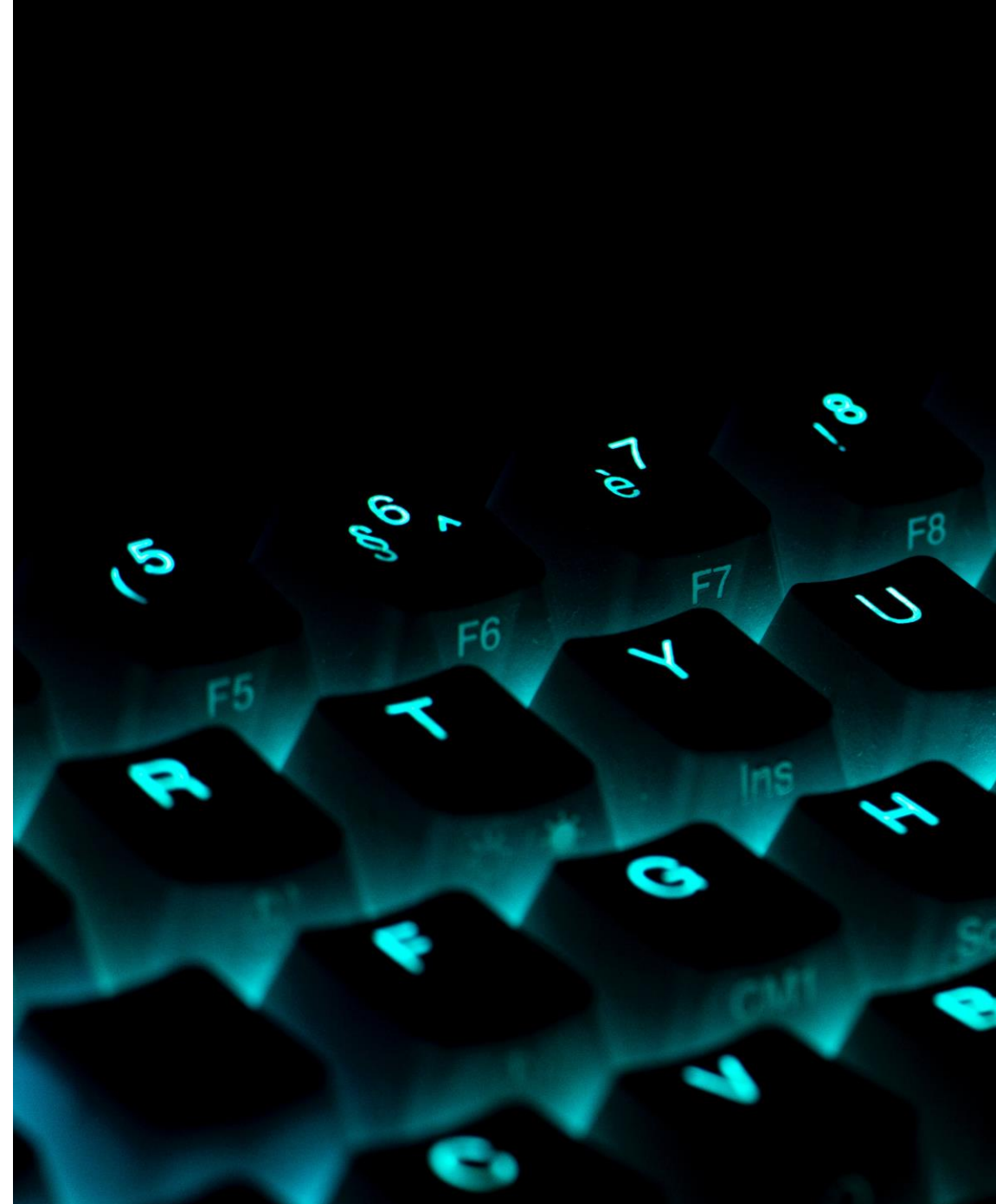
LOOMING PROBLEMS

- OSGi hurdles
- Build & deploy times
- Competing technologies
- Specialized Liferay developers increasingly difficult to find
- Heavily customized portals are hard to upgrade



MARKET CHANGES

- Web development changed a lot: React, Angular, Spring, NodeJS, .NET Core, etc.
- New projects must be launched in days or weeks
- Business users need autonomy
- Security, performance, SEO are fast moving targets



LIFERAY REINVENTED

- Design system components (Lexicon/Clay) on top of bootstrap
- Move to React on the UI
- Headless API
- Explosive growth of OOTB features
- Greater autonomy for business users
- **Same potential for growth and integration**





Fragments and Widgets

Search...

Fragments Widgets

LAYOUT ELEMENTS

Container

Grid

BASIC COMPONENTS

Button

Card

Date

Dropdown

External Video

HTML

Heading

Image

Paragraph

Separator

Slider

Social

Spacer

Tabs



Liferay Demo

This search bar is not visible to users yet. Set up its destination to make it visible.

Container

FAST SITE BUILDING

- Powerful WISIWYG, Drag & Drop, page editor, allowing Drag & Drop of **visual components**
- **Differentiated page versions** per language, device or user segment
- Fast and easy styling with **Stylebooks, Master Pages and Component Config**

Powered by Liferay

General Styles Advanced

CONTAINER OPTIONS

Link

URL

URL

Open in a new tab.

Content Display

Block

Container Width

Fixed Width

FRAME

Width

Height

PX

PX

Min Width

Max Width

PX

PX

Min Height

Max Height

PX

PX

Overflow

Default

Hide Fragment

DYNAMIC CONTENT

- Collections and Collection Providers select content
- Fragments like “Collection Display” and “Collection Filter” list, paginate and filter collections

Latest News



Exhibition of the Commemorations of the 100 years of the Air Crossing of the South Atlantic highlights the “glory” of Portuguese achievement

22-06-2022
History



The amazing story of the airplane: the machine that revolutioned generations

22-06-2022
History



Swedish airline performs “first flight in history with 100% sustainable aviation fuel”

21-06-2022
History



Strong emotions reaching the skies of Beja... here comes the Air Festival of the 70th Anniversary of the Air Force!

20-06-2022
Safety



Coimbra scientists have resurrected a device to produce energy from innovative

For You

Science

Coimbra scientists have resurrected a device to produce energy from innovative

Safety

Maritime Police collects 84 small in Cabo Raso

Science

Guia's fort is a laboratory where change are studied

Science

Science starts to unlock impacts climate

Science

Funchal invests 180 thousand eu biology station

Events Near You

Business

Lisbon, Jun/27: Oceans Conferen

Leisure and Sports

Oeiras, Sep/24: Sea rowing world

Leisure and Sports

Estoril, May/01: Swim Challenge

Leisure and Sports

Cascais, Aug/27: Cascais Sailing

Leisure and Sports

Coruche, Jun/23: European spor

EXPERIENCE DIFFERENTIATION

Events Near You

Business

Coimbra, Apr/29: Conference on Law and Economics of the Sea

Safety

Porto, May/ Strategy Int

Safety

Viana, Apr/ Security

Leisure and S

Coruche, A

Leisure and S

Coruche, Ju

Events Near You

Business

Lisbon, Jun/27: Oceans Conference

Leisure and Sports

Oeiras, Sep/24: Sea rowing world championship

Leisure and Sports

Estoril, May/01: Swim Challenge

Leisure and Sports

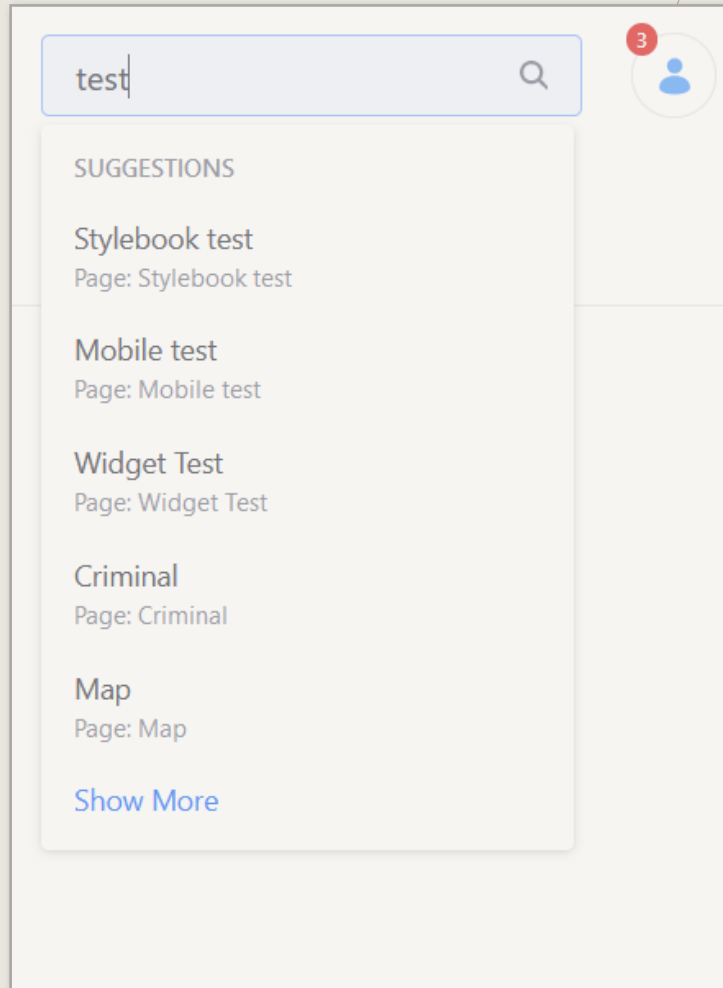
Cascais, Aug/27: Cascais Sailing 2022

Leisure and Sports

Coruche, Jun/23: European sport fishing

N.B: not na OOTB example

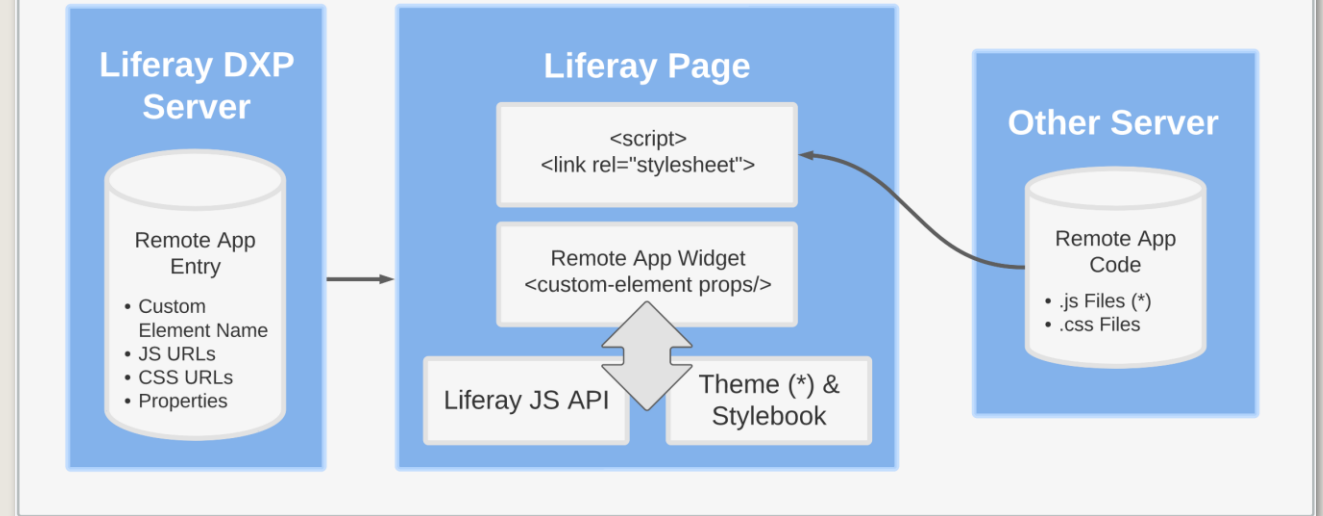
- SEO not enough
- Engagement requires adapting to user's interests
- Minimal/no coding to show different page versions depending on user behaviour/characteristics
- For anonymous users we can work with geographical location, content categories, device type, language, etc.



INDEXING AND SEARCH

- Search engines only index part of most websites
- Websites should offer at least one search page
- Several specialized search pages can add value with custom filter, custom facet, search options
- Search results can be sorted by relevance, title, date, user, etc.
- Relevance factor can be tweaked by config

Custom Element Remote App Architecture



Source: Liferay Inc.

APPLICATIONS

- **React, Angular, Vue** apps can run on Liferay servers, no Java needed
- **Remote Apps** run on a page as **WebComponents** with minimal Liferay dependency
- **No-Code tools** available Forms & Objects
- Applications interact with content and services through **Headless API**, with **REST** or **GraphQL**



AND THIS IS
JUST A SMALL
GLIMPSE





CHOOSE YOUR FLAVOUR

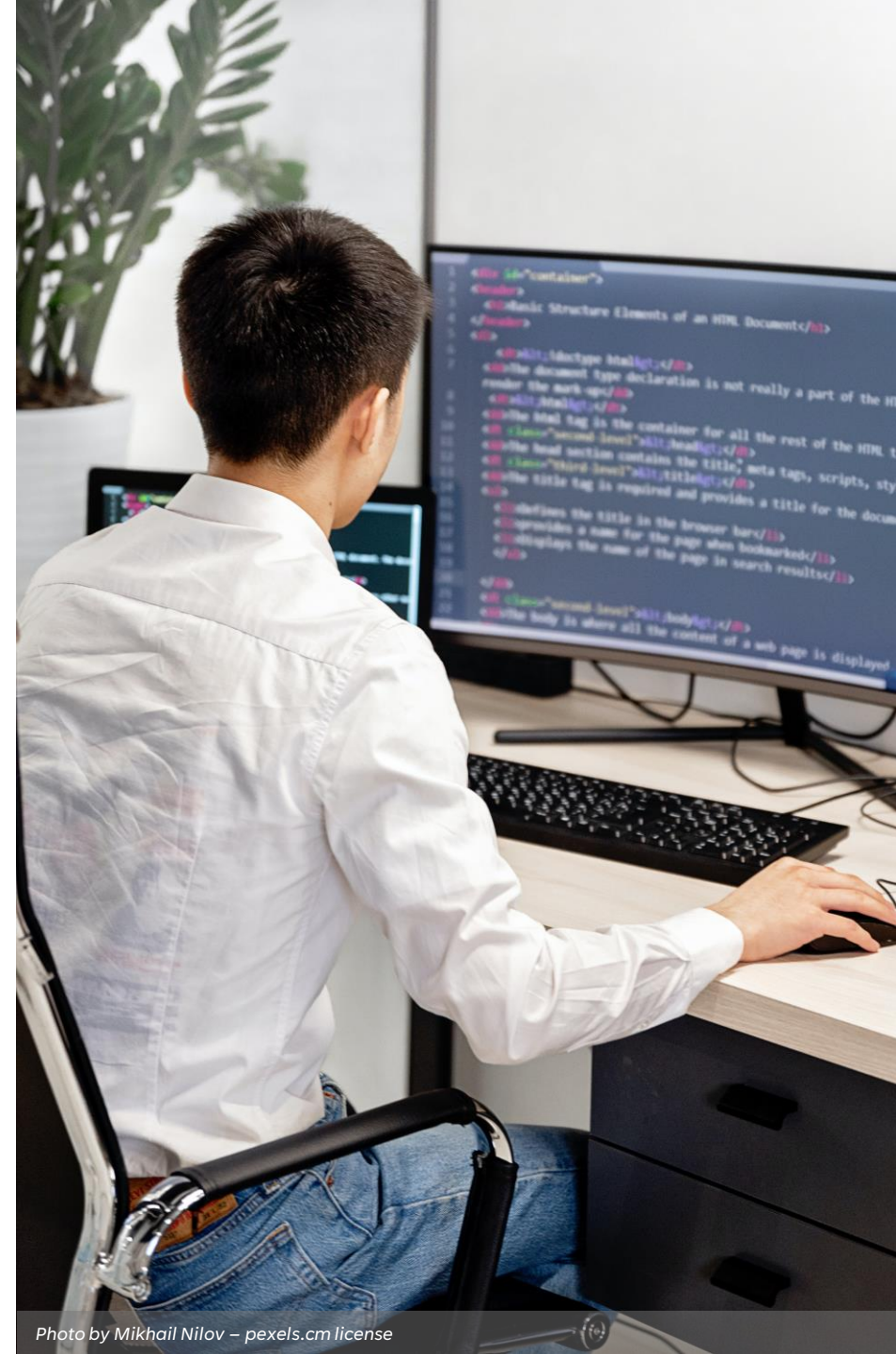
- Community Edition
- DXP/LXC from 150+ Partners and Liferay Inc.

- On premises (DXP / CE)
- Platform-as-a-Service (LXC SM)
- Software-as-a-Service (LXC)



THE EVOLVING ROLE OF THE DEVELOPER

- Less Java / Better Java
- More JavaScript (React, Angular, Vue)
- More remote applications, cloud-readiness, DevOps
- More Low/No Code (Objects, Forms, Collections, Segments, ...)
- More focus on business needs





WHAT YOU CAN DO

Embrace new features, new architectures

Empower your designers and power users

Enjoy technological flexibility

Treat Liferay as a new product

Help bring new developers



WRAPPING UP

CHANGING DEMANDS

Users want more autonomy, faster delivery, technical flexibility, security and performance

LIFERAY REINVENTED

You now have less development, faster development, more technological choices

OUR ROLE

Embrace change to deliver more value to the customer and to our teams



WRAPPING UP

CHANGING DEMANDS

Users want more autonomy, faster delivery, technical flexibility, security and performance

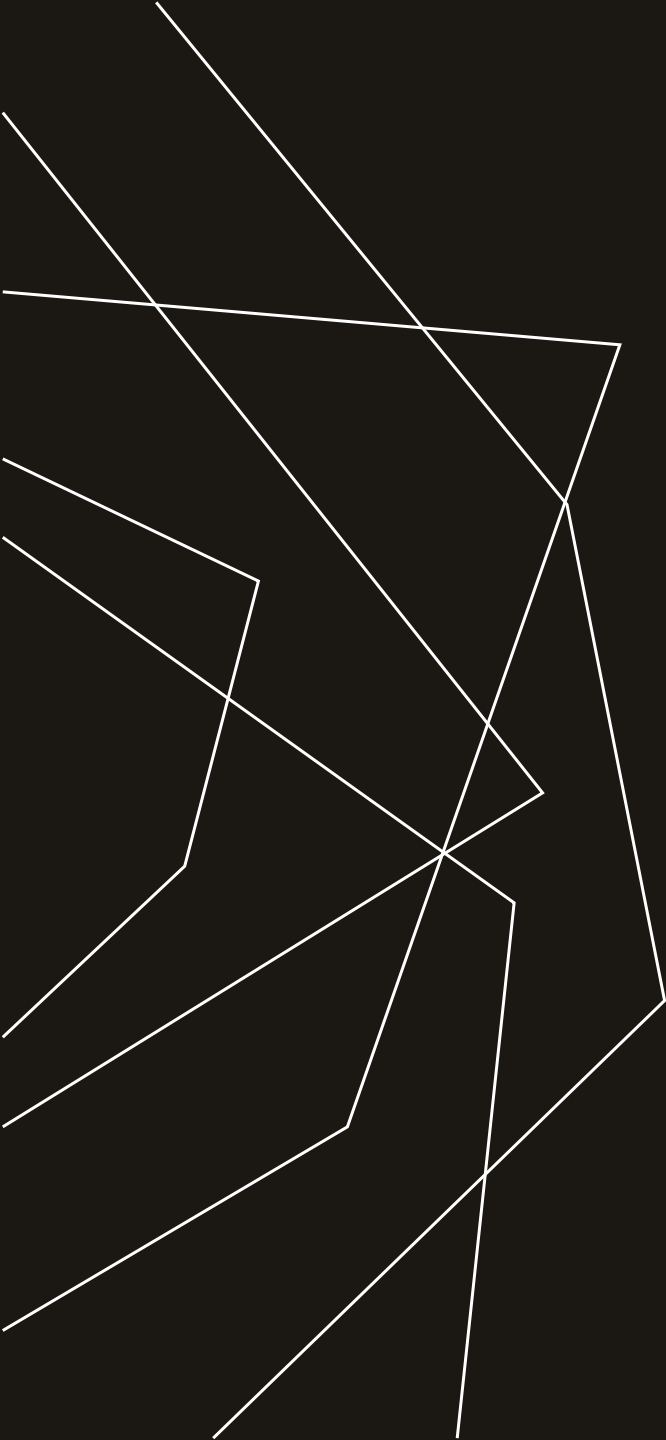
LIFERAY REINVENTED

You now have less development, faster development, more technological choices

OUR ROLE

Embrace change to deliver more value to the customer and to our teams

QUESTIONS? COMMENTS?



THANK YOU

Fernando Fernandez

fernando.m.fernandez@inetum.com

[linkedin.com/in/fernandez/](https://www.linkedin.com/in/fernandez/)