In partnership with:

Virtual Skills Platform: Specification
By Xavier Nuñez

High-level description

BCP Council wants to produce a Platform to provide guidance to people in search for opportunities on the Digital and Digital Creative sector on their search for:

- *Specialised Training to upskill themselves and become better qualified for job roles*
- *A training pathway based on their appetite and their background, which improves qualifications.*
- *A potential career pathway based on their future goals, current background and probable future training and qualifications..*

The training programmes and contents are to be provided by the network of local partners: Bournemouth University, Arts University Bournemouth, Bournemouth and Poole College, AECC, Skills and Learning.

The platform will not trade but will propose solutions based on partner's offerings. Trading or contracting through the platform is not within this platform specs or project scope.

The successful Operator must use all reasonable endeavours to ensure any professional or training advice given to service users is relevant and valuable. The responsibility for the quality of the advice given to service users is that of the Operator.

Second level description

The platform's frontend and user interface is in this order of priority to be developed and deployed on:

Android and IOS operating systems.

CSS frontend compatible with main Internet Browsers: Edge, Chrome and Safari. Responsive to Mobile devices.

The platform's admin is to be deployed on a Windows Server OS VM to be accessible in the cloud but deployed on a local server.

The platform's backend is to be deployed on a VM deployed locally at BCP's Smart Place Server room at the Royal Arcade's Skills Hub or on a Cloud Service. Both models can be accepted based on capex and opex evaluation. Revenue costs to be analysed as a criteria.

Additional Requirements

Insurance

The operator must be able to demonstrate proof of the following levels of insurance:

- Professional Indemnity - £2m
- Public Liability - £5m
- Product Liability - £5m
- Cyber cover - £2m

Contract value

The estimated value of the contract is £170,000 over the agreement period of 3 years and 2 months

Maintenance

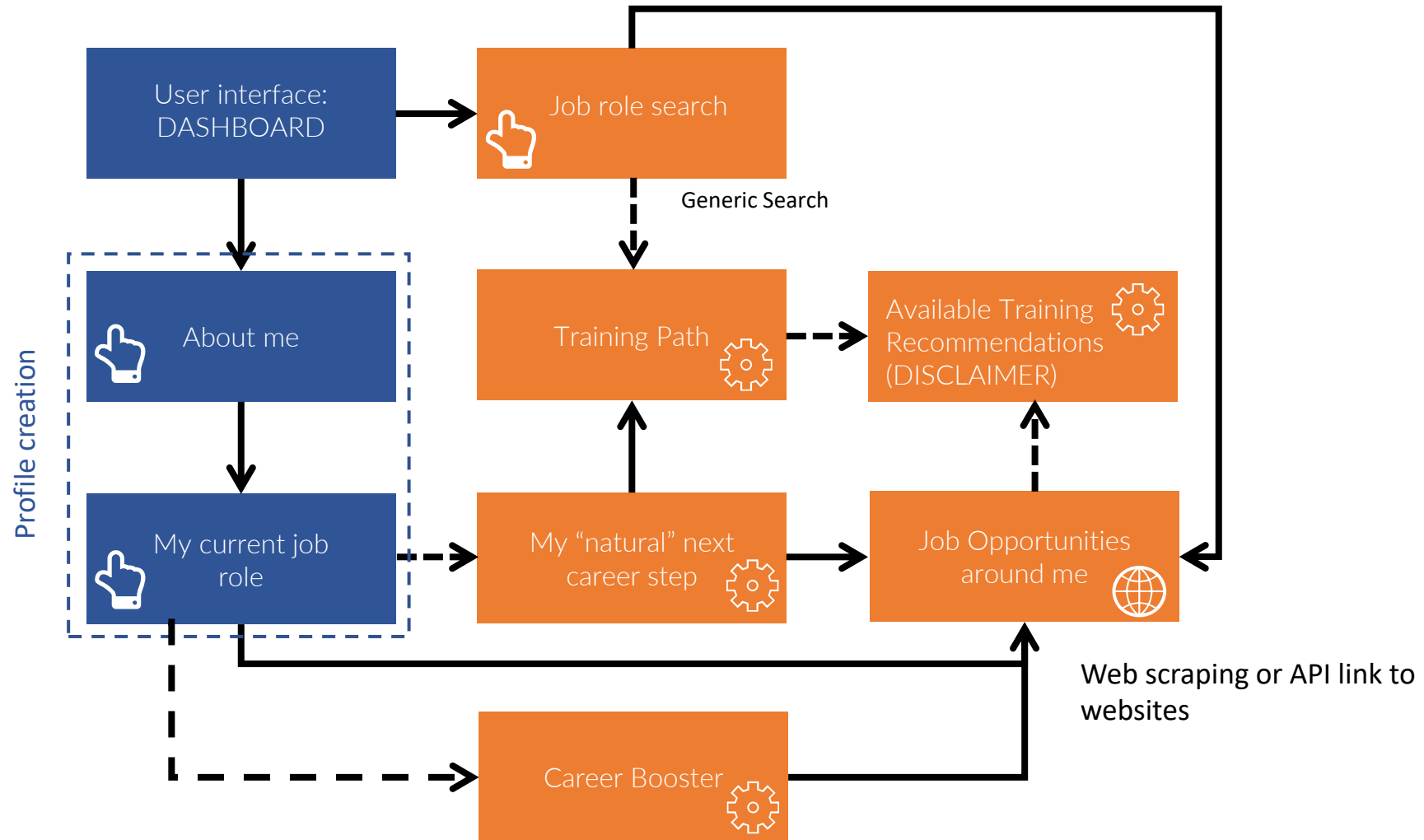Annual maintenance to develop the platform and maintain accurate training data is required.

Collaboration

The successful Operator will be required to liaise with the contractor responsible for the operation of the physical hub to enable them to assist service users in use of the platform.

High level block diagram
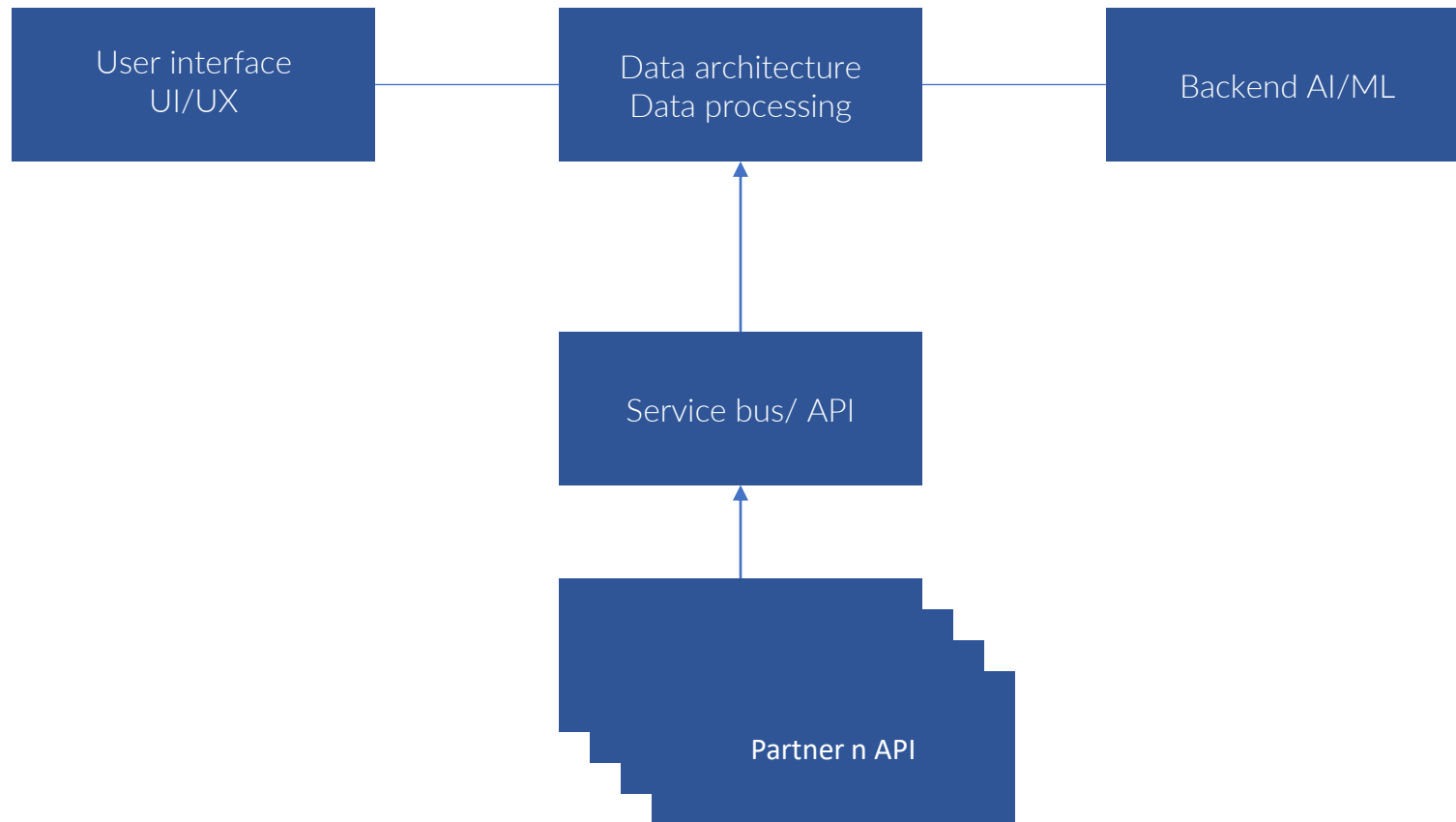
Low level block diagram

01 User interface.

❑ Visually attractive, user friendly – "Netflix" type

❑ Contains basic and quick info about the platform

❑ Self – explained tutorial

❑ Potentially a Bot or Digital Agent. OPTIONAL

❑ Gives Access to the several sections

❑ Accessible, disabled friendly

❑ Links to Boscombe Town Deal Fund info

❑ Partners' info: logos

❑ Links to partners' websites

02 "About myself"

- ❑ Visually attractive, user friendly

- ❑ Basic new user data. Account creation

- ❑ GDPR compliance

- ❑ Similar to a recruitment page: CV upload allowed, scraping

- ❑ Validation questions: "are you a, b, c?". Matching standards

- ❑ Accessible, disabled friendly

- ❑ Badges information: gamification

- ❑ Data base generation

- ❑ Push notifications?

03 "My current job"

- ❑ Visually attractive, user friendly

- ❑ We need the most meaningful data possible: job characterisation

- ❑ GDPR compliance

- ❑ Critical fields to cover: identify them, save/correlate to personal data

- ❑ Validation questions: "are you…a, b, c?" Standard positions

- ❑ Accessible, disabled friendly

- ❑ Badges generation: junior, apprentice, senior, expert, etc.

- ❑ Data base generation – Employees market

- ❑ Push notifications?

04 "My training path"

- ❑ Visually attractive, user friendly

- ❑ Education + desired job requirements + partner's recommendations

- ❑ GDPR compliance

- ❑ Block visual: tell about each block (as training steps)

- ❑ Validation questions: "are you interested in this?" – filtering, accuracy

- ❑ Accessible, disabled friendly

- ❑ Badges generation: junior, apprentice, senior, expert, etc.

- ❑ Data base generation – Trainees market

- ❑ Push notifications? New training available

05 "My next career step"

❑ Visually attractive, user friendly

❑ Based on market needs + my current job position + poss. mismatch

❑ GDPR compliance

❑ Block visual: tell about each block (as training steps)

❑ Validation: "do you feel it matches your needs?" – accuracy, ML

❑ Accessible, disabled friendly

❑ Badges generation: junior, apprentice, senior, expert, etc.

❑ Data base generation – Employability

06 "Career booster"

- ❑ Visually attractive, user friendly

- ❑ Based on market needs + my current job position + wish list

- ❑ GDPR compliance

- ❑ Block visual: tell about each block (as training steps), LEAP graph

- ❑ Validation: "do you feel it matches your wish?" – accuracy, ML

- ❑ Accessible, disabled friendly

- ❑ Badges generation: junior, apprentice, senior, expert, etc.

- ❑ Data base generation – Employability, market worth, salary

07 "Available training recommendations"

- ❑ Visually attractive, user friendly

- ❑ Based on data base from Partners: BU, AUB, etc

- ❑ Cross GDPR compliance

- ❑ File visual: Tech info for each training programme

- ❑ Link to each purchasing tool

- ❑ Accessible, disabled friendly

- ❑ Data base generation – Employability, market worth, salary

- ❑ Disclaimer to advise user to check suitability of suggested courses with the provider prior to sign up

08 "Job opportunities around me": OPTIONAL

- ❑ Visually attractive, user friendly

- ❑ Based on web scraping from main platforms: indeed, Glassdoor,… API¿?

- ❑ GDPR compliance, Copyright compliance analysis, cookies

- ❑ File visual: Tech info for each job opportunity - scraped

- ❑ Link to each website

- ❑ Accessible, disabled friendly

- ❑ Data base generation – heat map to analyse the job appetites from each user

- ❑ Geographically restricted: BCP area. Specific Boscombe jobs

09 Back end high level description

❑ We want to correlate the data given with the available content provided

❑ Based on the algorithm outcome: suggest the pathways and contents

❑ The algorithm "learns" from the user and improves the outcomes

❑ The frontend is being fed by the algorithm result

❑ The backend data comes from the user's interaction and their answers

❑ Data base generation – heat map to analyse the job appetites from each user

Landing page

When the user ticks on the landing page

Optionally we can let the user customise some of the options but we need to bear in mind that the back-end is mocked up.

Discover   Meetups   News   Contact

Log in

Sign In

Clicking in these two banners takes you to the User's (next) screen. No login or sign in needed

▶

Video about either Smart Plces (the one we used at the Smart City Expo) or if there's any about the Town Deal Fund

Supported by:

Self scrolling banner showing all the partners involved in the Platform. Including MHCLG, etc

◁ BU Bournemouth University   ARTS UNIVERSITY BOURNEMOUTH   AECC University College   SKILLS & LEARNING Adult Community Education   bournemouth & poole the college   BCP Council ▷

BCP Council

About me

My training programmes

Create an appointment with a PCA*

My career path

Training search based on your profile

Online help

My Job searches

New job opportunities

Supported by:

About me

From this section we extract all the relevant info about the individual, so we can afterwards correlate to jobs, trainings, etc. All the sub menus will pop up selectable options (i.e. skills, where we will offer several soft skills to the user).

Discover   Meetups   News   Contact

Level of profile accuracy:

Stellar

100%   0%

BH2, Bournemouth, England

Name: Jaymie

Age: 25   Sex: Female

Contact info

Last name: Myir

Ethnicity: Prefer not to say

My description: *I am a graduate in Computer Science. I would like to become a full stack developer to eventually become an analyst and in the future, a manager with agile methodologies, strong skills and expertise.*

I am interested in…

Upskill to promote

Upskill for a new job

Career booster

My_panel

My_skills

In search for a new job
Edit details

My_answers

My_experience

📁 *Upload your CV*

Define Form TBD

Supported by:

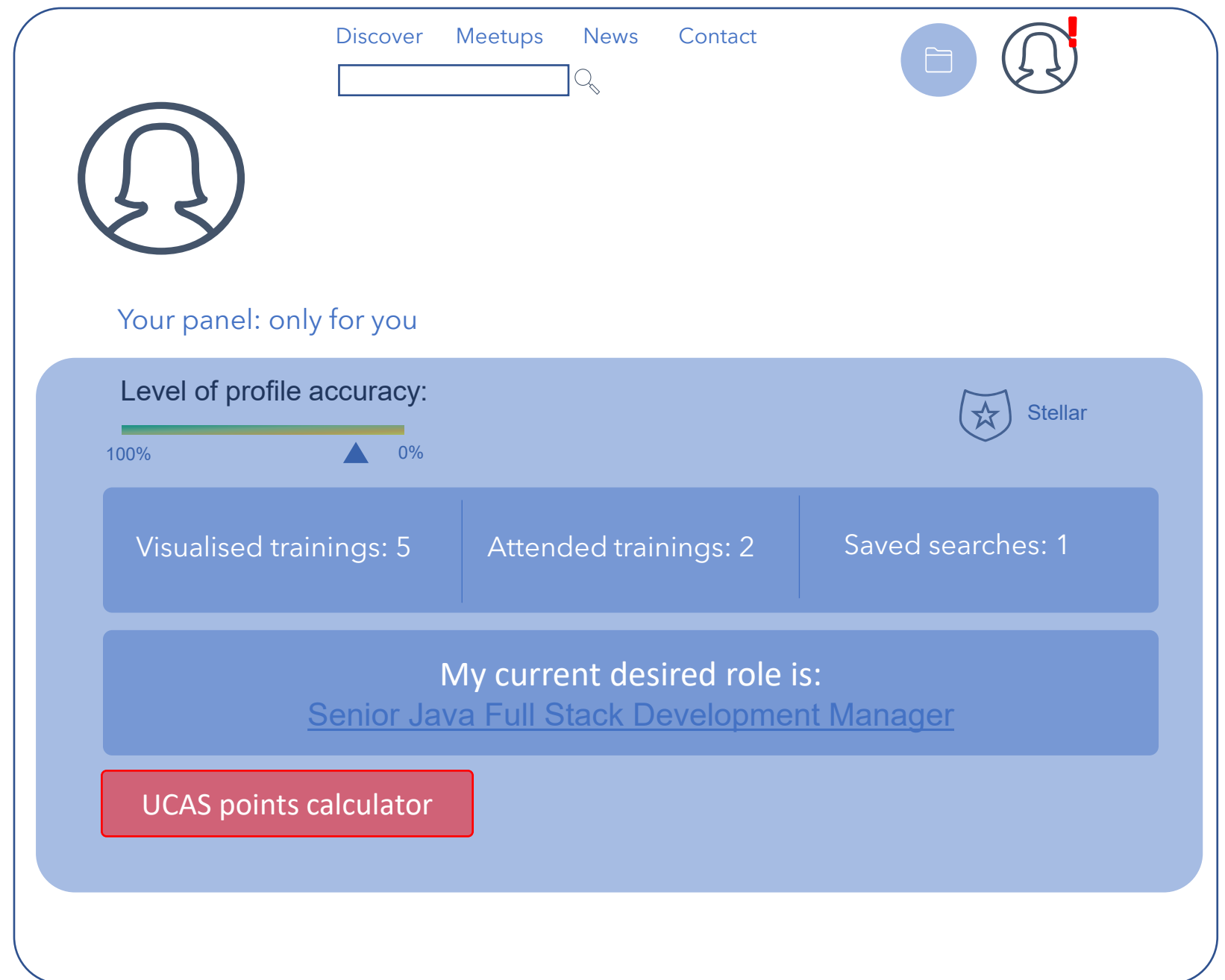◁   BU Bournemouth University   ARTS UNIVERSITY BOURNEMOUTH   AECC University College   SKILLS & LEARNING Adult Community Education   BCP Council   ▷
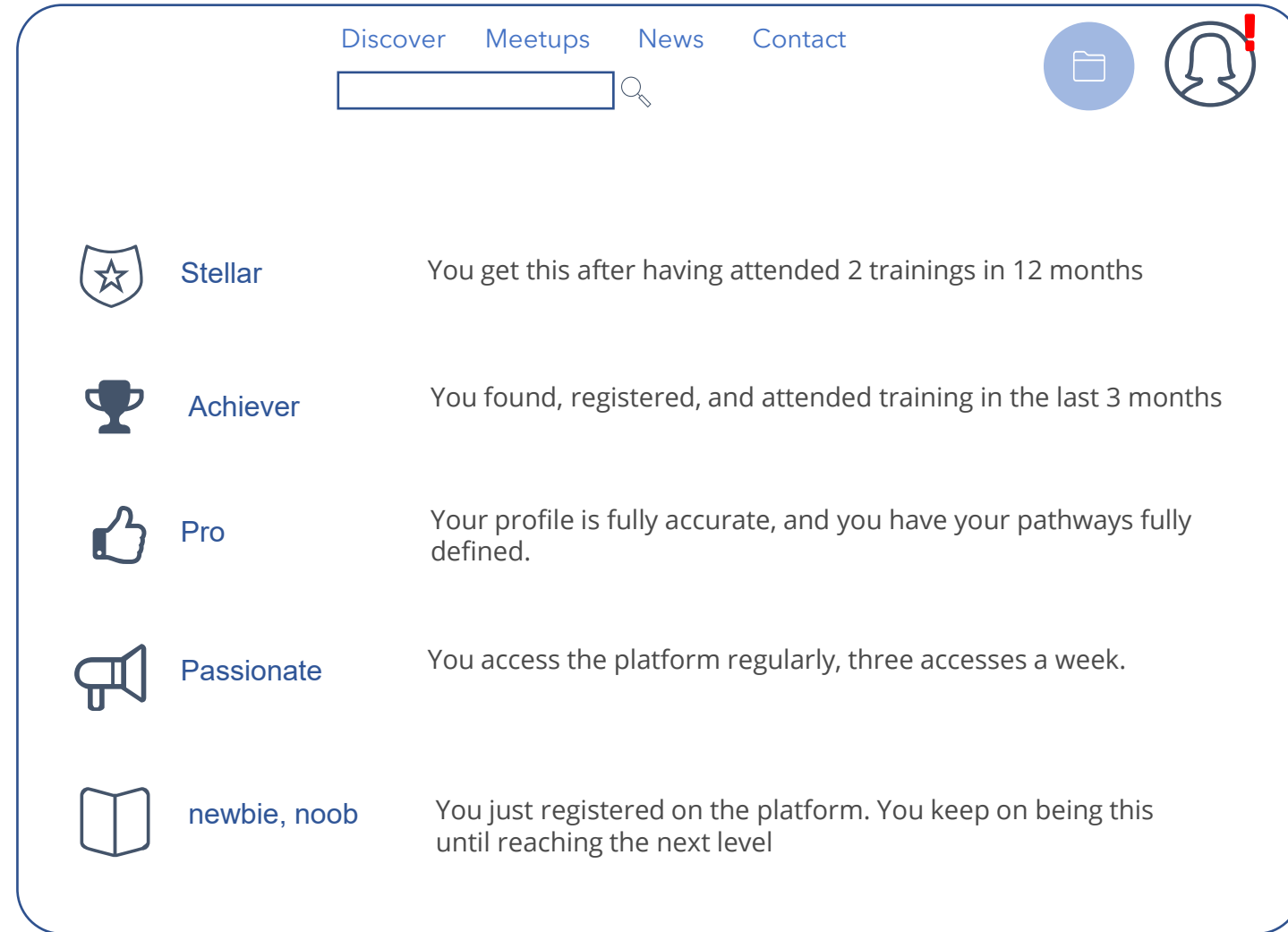
BCP Council

My Panel

From this section we extract all the relevant info about the individual, so we can afterwards correlate to jobs, trainings, etc. All the sub menus will pop up selectable options (i.e. skills, where we will offer several soft skills to the user).

Discover   Meetups   News   Contact

Your panel: only for you

Level of profile accuracy:

100%   0%

Stellar

| Visualised trainings: 5 | Attended trainings: 2 | Saved searches: 1 |

My current desired role is:
Senior Java Full Stack Development Manager

UCAS points calculator

Discover   Meetups   News   Contact

Stellar   You get this after having attended 2 trainings in 12 months

Achiever   You found, registered, and attended training in the last 3 months

Pro   Your profile is fully accurate, and you have your pathways fully defined.

Passionate   You access the platform regularly, three accesses a week.

newbie, noob   You just registered on the platform. You keep on being this until reaching the next level

From this section we extract all the relevant info about the individual, so we can afterwards correlate to jobs, trainings, etc. All the sub menus will pop up selectable options (i.e. skills, where we will offer several soft skills to the user).

Discover   Meetups   News   Contact

Level of profile accuracy:

100%   0%

Stellar

" I am

Main information

BSc. / Msc / PhD

Prefer Online Training

NQF level	Academic qualification	Professional engineering institutions	Apprenticeship framework
8	PhD		
7	MSc, MEng	CEng	
6	Bsc, BEng (Hons)	IEng	Higher
5	Found. Degree HND		
4	HNC	Eng Tech	
3	A Level Adv. Diploma		Advanced
2	GCSE Diploma		Intermediate

Other information

BCP
Council

From this section we extract all the relevant info about the individual, so we can afterwards correlate to jobs, trainings, etc. All the sub menus will pop up selectable options (i.e. skills, where we will offer several soft skills to the user).

Discover   Meetups   News   Contact

Level of profile accuracy:

100%   0%

Stellar

" I am

Main information

BSc. / Msc / PhD

Prefer Online Training

- Prefer online training
- Mixed F2F/online
- MostlyF2F

Low workload

Immediate availability

Other information

- F2F = Face to Face

My Skills

From this section we extract all the relevant info about the individual, so we can afterwards correlate to jobs, trainings, etc. All the sub menus will pop up selectable options (i.e. skills, where we will offer several soft skills to the user).

Discover   Meetups   News   Contact

Level of profile accuracy:

Stellar

100%   0%

" I am

Main information

BSc. / Msc / PhD

Prefer Online Training

Find new training pgrs

Type of desired training

- Mainly theorical, I need basic knowledge
- I'd like some practical lessons
- Mainly practical, I think I already hold the theory

Other information

My Skills

From this section we extract all the relevant info about the individual, so we can afterwards correlate to jobs, trainings, etc. All the sub menus will pop up selectable options (i.e. skills, where we will offer several soft skills to the user).

Discover   Meetups   News   Contact

Level of profile accuracy:

100%   0%

Stellar

" I am

Main information

BSc. / Msc / PhD

Prefer Online Training

- Low workload: I am quite busy
- I can put some time daily
- I really want to dedícate a high amount of time on a regular basis
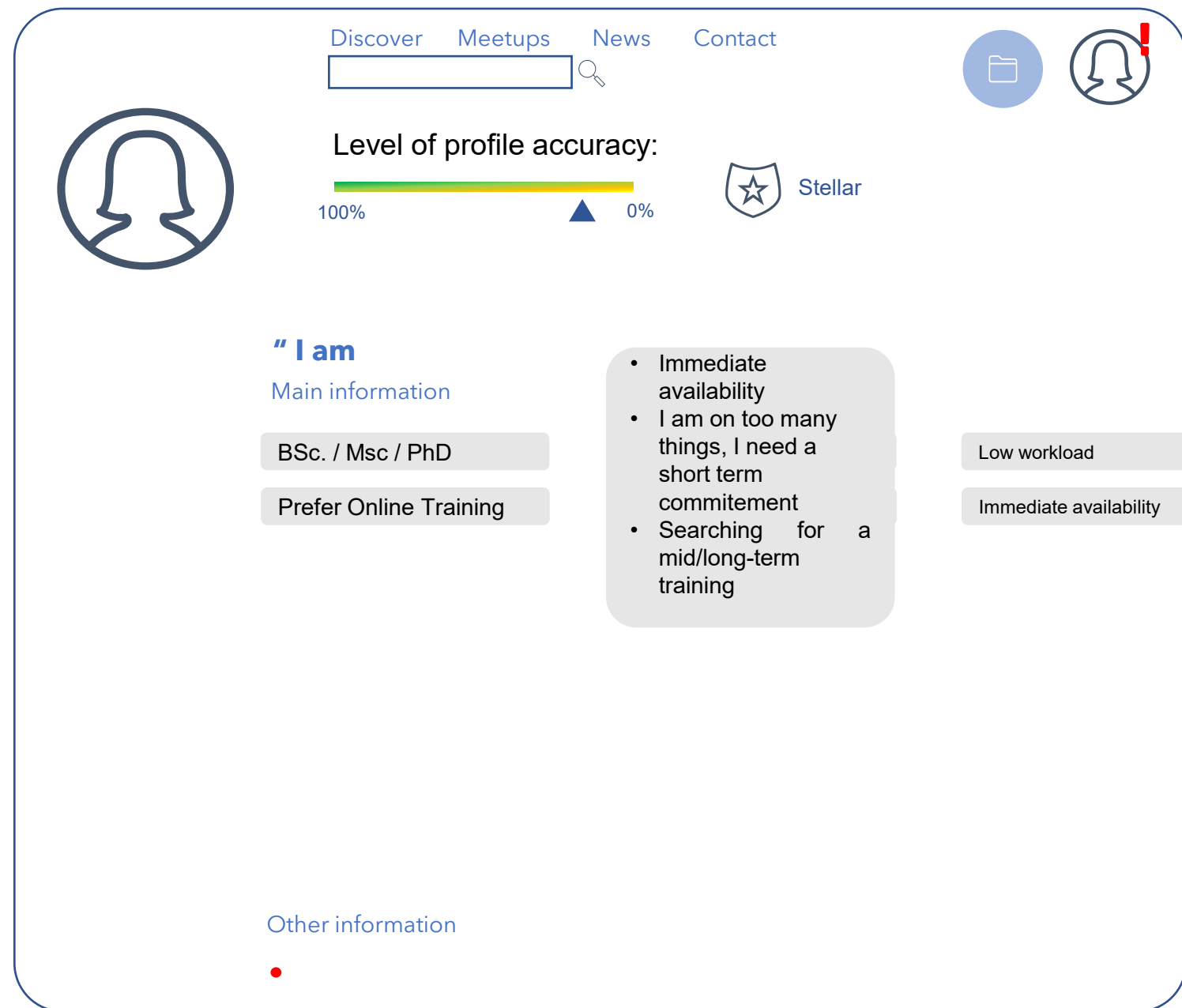
Low workload

Immediate availability

Other information

My Skills

From this section we extract all the relevant info about the individual, so we can afterwards correlate to jobs, trainings, etc. All the sub menus will pop up selectable options (i.e. skills, where we will offer several soft skills to the user).

Discover   Meetups   News   Contact

Level of profile accuracy:

100%   0%

Stellar

" I am

Main information

BSc. / Msc / PhD

Prefer Online Training

- Immediate availability
- I am on too many things, I need a short term commitement
- Searching for a mid/long-term training

Low workload

Immediate availability

Other information

My Skills

From this section we extract all the relevant info about the individual, so we can afterwards correlate to jobs, trainings, etc. All the sub menus will pop up selectable options (i.e. skills, where we will offer several soft skills to the user).

Level of profile accuracy:

100%   0%

Stellar

" I am

Main information

| BSc. / Msc / PhD | Find new training pgrs | Low workload |
| Prefer Online Training | Hands on | Immediate availability |

Other basic information ½. Entry level skills

- I have access to computers and other media devices

  YES   UNSURE   NO

- I have a good internet connection

  YES   UNSURE   NO

- I know how to use the Internet and search for specific information

  YES   UNSURE   NO

- If I have connection or computer problems I can be easily helped

  YES   UNSURE   NO

From this section we extract all the relevant info about the individual, so we can afterwards correlate to jobs, trainings, etc. All the sub menus will pop up selectable options (i.e. skills, where we will offer several soft skills to the user).

Discover   Meetups   News   Contact

Level of profile accuracy:

100%   ▲   0%

Stellar

" I am

Main information

| BSc. / Msc / PhD | Find new training pgrs | Low workload |
| Prefer Online Training | Hands on | Immediate availability |

Other basic information 2/2. General skills.

- I have studied before through online learning or adult learning

YES   NO

- I have recently learned online, including undertaking an online short course

YES   NO

- I consider myself a capable reader, I read and comprehend in a fast way

YES   UNSURE   NO

- My ability to use a calculator and perform basic mathematical and logical operations is OK

YES   UNSURE

SMART PLACE
PLACE **SMART**

Level of profile accuracy:

100%   ▲   0%

⭑ Stellar

" My answers

Main information 1/ 2

● My current employment status is

| FULL-TIME | PART-TIME | NOT IN PAID WORK | FULL-TIME CAREGIVER |

● My family and social environment is supportive of my desire to undertake further study

YES   UNSURE   NO

● I think I can get hold of enough 'free time' in my life to commit to further studies

YES   UNSURE   NO

● I am good at working to deadlines and meeting them

YES   UNSURE   NO

BCP Council

Discover   Meetups   News   Contact

Level of profile accuracy:

100%   ▲   0%

Stellar

" My answers

Main information 2/ 2

- I tend to persevere on tasks even when the work gets difficult

  YES   UNSURE   NO

- I like sharing tasks and being involved in collaborative assignments and projects

  YES   UNSURE   NO
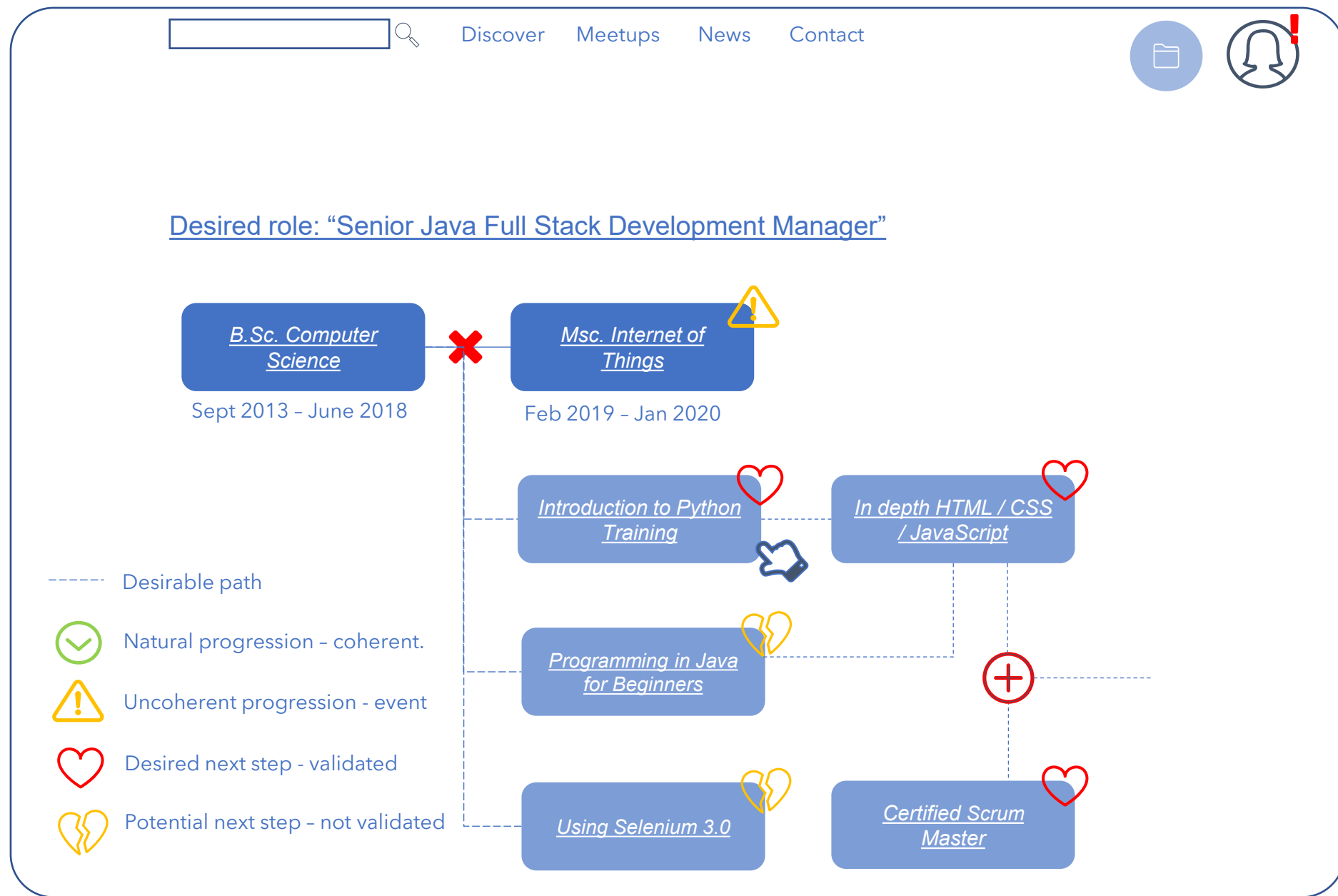
- I feel anxious when doing tests and exams

  YES   UNSURE   NO

BCP
Council

CONFIDENTIAL – Smart Place team generated
The interface graph works only as a description – design to be provided by the supplier

My training path

It needs to be visual, showing the qualifications and certifications achieved so far and the future next steps validated by the user. When tapping, we'll see the details, salary, manager, evaluation, level of satisfaction…

Demanded in 1 out of 5 job offers. Selenium 3.0 is the new software testing automation..

View more…

BCP
Council

Desired role: "Senior Java Full Stack Development Manager"

B.Sc. Computer Science

Sept 2013 – June 2018

Msc. Internet of Things

Feb 2019 – Jan 2020

Introduction to Python Training

In depth HTML / CSS / JavaScript

Programming in Java for Beginners

Using Selenium 3.0

Certified Scrum Master

---- Desirable path

Natural progression – coherent.

Uncoherent progression - event

Desired next step - validated

Potential next step – not validated

My career path

It should be 100% intuitive, showing either the experience achieved so far and the future next steps validated by the user. When tapping, we'll see the details, salary, manager, evaluation, level of satisfaction…

Desired role: "Senior Java Full Stack Development Manager"

Junior Java Developer	Junior Support Manager	Junior Devops Engineer
Jan 2018 – Jan 2019	Feb 2019 – Jan 2020	Feb 2020 – May 2021

Senior Java Full Stack Dev

Full Stack Web & App Developer

May 2021 – Current

Scrum Manager

Natural progression – coherent.

Uncoherent progression - event

Desired next step - validated

Potential next step – not validated

CONFIDENTIAL – Smart Place team generated
The interface graph works only as a description – design to be provided by the supplier

CV of experience and qualifications, description and further details.

5G, 4G, IoT and Fibre Optics networks expert and reference author. Network, services, and architectures, coding, and configuration. Expert in defining, planning, and implementing 5G use cases strategies and pilot projects. Data sharing architecture back-end service bus successfully implemented on a Smart City project in the UK.

Aceptaría mudarme a cualquier lugar

Datos personales

Driver's License: Cars

Experiencia laboral

Smart Place Innovation Lead

BCP Council - Bournemouth

De diciembre 2019 al presente

Successfully Managed and spent over £1.9m of DLEP fundings for the "Digital Lansdowne Project". Designed, deployed and managed a full private 5G + LPWAN (CATM and NBIoT) Standalone and Non-standalone network.
As Engagement Manager, managing a Community of over 60 companies in the digital tech sector: "R&D Consortium".
Designed, created and deployed content in Congresses and conferences.
Co-creation of the UK's Beach Check Application, TIP Application and Virtual Skills App.
Successfully achieved fundings from MHCLG.
Successfully achieved Lansdowne's challenges, up to 7 use cases and PoCs.
Deployed the Back-end solution, service bus, for the Smart City project in Bournemouth, Christchurch and Poole area.

Business Development Deputy Manager - 5G BD & PM

i2cat Foundation

De 2018 a 2019

Innovation Bussiness Development Unit coordination (5G, IoT, v2x, eHealth, I4.0) Continuous Research assets discovery and subsequent portfolio creation and management. Amongst others, 5G Private & Neutral Host Platform product creation. 5G Barcelona Technical PM, including Pilot projects and PoCs ideation and implementation. Mobile World Congress' Catalan Government booth presence coordination. Several international Congresses attendance and panelist. Written Digital Catalonia 5G Strategy for the Catalan Government. Written Catalan 5G White book and white papers.