Can blockchain technology help solve the tech skills shortage?

Introducing

Tech Talent

Solving the tech skills shortage.

What company does not face this **problem**?

BBC NEWS

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UK 'heading towards digital skills shortage disaster'

By Mary-Ann Russon & Lucy Hooker
Business reporters, BBC News

22 March

The Learning & Work Institute says the number of **young people** taking IT subjects at GCSE has **dropped 40%** since 2015. Meanwhile, consulting giant Accenture says **demand** for AI, cloud and robotics skills **is soaring**.

Billions invested trying to develop future **tech talent**.

Google ✓
@Google
···

Announcing $1B in grants, 1M volunteer hours and a #GrowWithGoogle initiative to create opportunity for everyone → g.co/grow/blog

1:00 PM · Oct 12, 2017 · Sprinklr

GOV.UK

Global Investment Summit Speech

We're investing record amounts in adult skills and technical training. We're changing our student finance system to better support mid-career...

19 Aug

Microsoft launches initiative to help 25 million people worldwide acquire the digital skills needed in a COVID-19 economy

Jun 30, 2020 | Brad Smith - President & Vice Chair

Microsoft is backing the effort with $20 million in cash grants to help nonprofit organizations worldwide...

EDWEEK
Market Brief

Marketplace K-12   Dec. 2, 2016

Tech Giant Oracle Makes Billion-Dollar Pledge for Coding Education in Europe

Oracle says it will make a $1.4 billion investment in computer science and coding education across Europe, in one of the most sweeping corporate commitments to date focused in building students' skills in the language of software and the creation of new technology.

How
Tech Talent
works?

Inspiration

1#   **Scouts**

In sports, scouts look for younger players who may require further development but who are judged to be worthy of that effort.
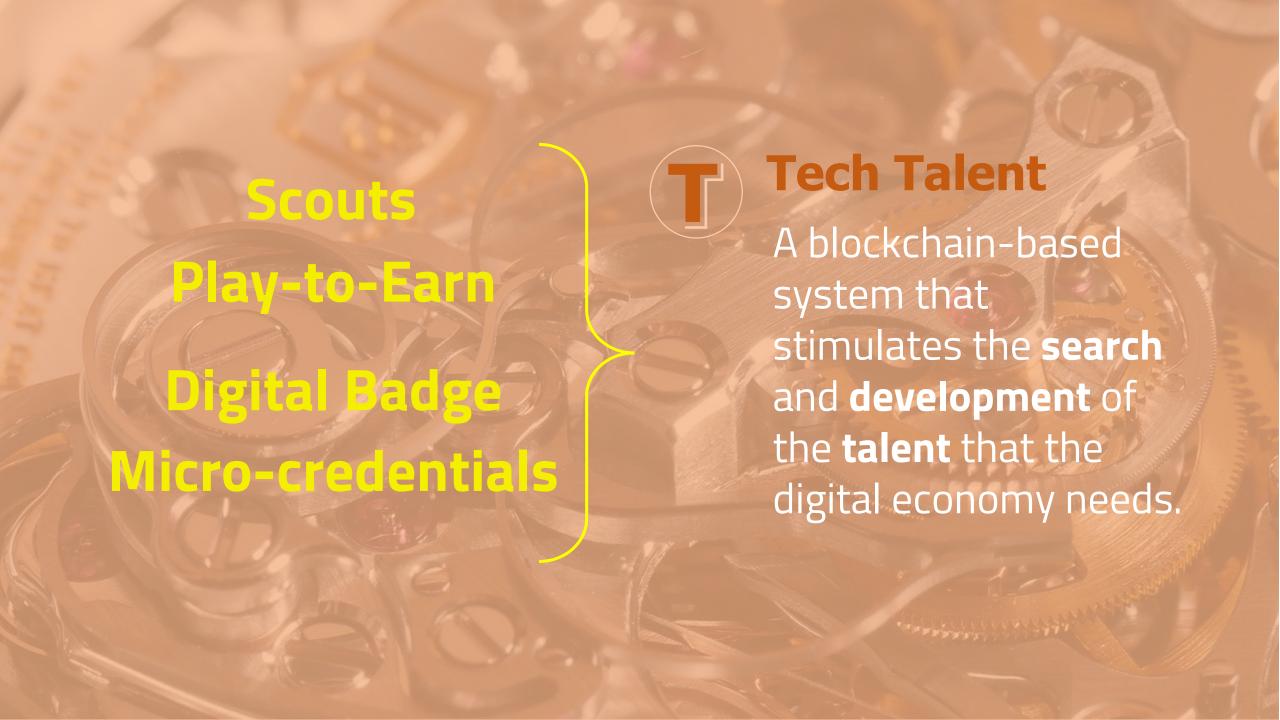
2#   **Micro-credentials**

Rapid training programs to get the skills the employer needs.

3#   **Digital Badge**

A badge is a symbol or an indicator of an achievement, skill or interest. A "digital badge" is an online record of one of these achievements.

4#   **Play-to-Earn**

Game model where players earn tokens as rewards when playing. Players can use the crypto ecosystem and exchange tokens for local currency (fiat).

Scouts
Play-to-Earn
Digital Badge
Micro-credentials

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Tech Talent
A blockchain-based system that stimulates the **search** and **development** of the **talent** that the digital economy needs.

Overview

Certifiers

Mentors (scouts)

Companies

badges

create

look for

sponsors

search for promising talents

earn

mentorship

recruit on sponsored badges

Talents

Local community

Reward System

Certifiers, **Mentors** and **Talents** receive **Tech Talent Tokens** (TTT) per emitted badges.

Certifiers, Mentors and **Talents** receive **extra TTT** (bonus) when a talent is **hired**.

Companies stake (sponsor) **TTT** on the desired badges. The stake gives **priority** access to the badge's **talent list**.

Why is it a great solution?

- Study to Earn: tech education upside down – instead of paying, promising talents earns to study.

- Tokens: earned rewards can be exchanged for anything the crypto ecosystem offer – worldwide ready.

- Study to Earn: talents in underprivileged communities have the chance to study, earn badges and financially help their families.

- Mentors: are rewarded for their effort in the search for talent – can be anywhere in the world.

Why is it a great solution?

- Mentors: guide the student – focus on what matters to companies.

- Blockchain: transparency for companies – the blockchain registers how the stake is being applied in the search and development of talent.

- Certifiers: uses its know-how and technology to verify who has developed the skills the companies need.

- Companies: they can choose the certifiers they trust.

Why is it a great solution?

- Companies: sponsor the development of skills (badges) they really need.

- Smart contracts: automate the entire process.

- Tech Talent: provides the platform that orchestrate the decentralized ecosystem.

- Tech Talent: it helps mentors, certifiers, talents, and companies succeed in their journey through the system.

- NPO: non-profit organizations can be part of the ecosystem by sponsoring badges or mentoring talents.

Want to learn more?

✉ techtalent@aprender.digital

Who is behind Tech Talent?

Parahuari Branco is passionate about education. He has 20+ years of experience developing technology solutions for learning.

Over the years, Parahuari has had the opportunity to play different roles as a teacher, programmer, author, instructional designer, product manager and researcher. He worked on the development of different types of educational solutions such as educational portals, digital textbooks, simulations, adaptive systems and educational games that positively impacted millions of students.

Parahuari is now involved in researching and developing solutions that encourage reading and promote digital creativity. He is also working on ideas for using the blockchain as a tool to leverage tech skills education.

Parahuari believes that better education can make a better world.