

Blockchain Skills Forecasts 2022

European Forecasts for Blockchain Labour Market, 2020 – 2026

28.092
new jobs

Approx 50%
of new jobs for 'new
entrants'

12.966
new jobs for
graduates

14.972
new Blockchain
graduates forecasted

Workforce Characteristics



Education:

65% Postgraduate
23% Undergraduate



Gender:

<80% male | >20% female



Age:

26-30 approx. 37%
31-35 approx. 30%



Employment form:

mostly full-time



Main occupations:

- BC Architect
- BC Developer
- BC Manager



Main skills:

BC Architect

- Coding (C++, Python, Java)
- Systems & Networked thinking, analytical competence, problem solving
- Skills for (Blockchain) Use Cases development
- Business Development Skills
- Data /Network Security

BC Developer

- Coding (C++, Python, Java)
- Develop Decentralised Applications (on Ethereum, Bitcoin, Stellar)
- Systems & Networked thinking, analytical competence, problem solving
- Design-thinking competence, versatility & perspective taking
- Frontend/Backend Development

BC Manager

- Communication
- Cooperation competence & Team-working ability & emotional/ Social intelligence
- Self-determination & Autonomy
- Self-management/ organisation/ regulation & self-responsibility
- Decision competence & Responsibility-taking

Employer Characteristics

Startups dominating the scene, but there is an increased number of corporate early adopters.

Age:

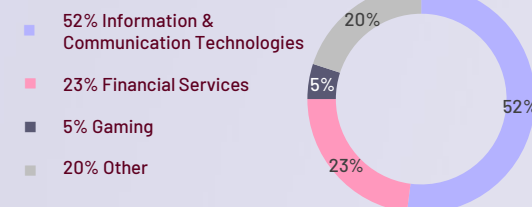
Young companies, less or equal to 5 years.

Size:

Majority of companies have less than 10 employees.

Industry/Sector:

Most of the companies operate in ICT Sector.



Trend:

Increased adoption of Blockchain technology in companies offering the following services: gaming industry, visual intelligence solutions, supply chain, decentralized cloud storage, healthcare, secure data encryption, digital advertising, consulting.

Challenges:

- Approx. 50% of firms experience recruitment difficulties
- Lack of regulation and standardisation

Opportunities:

- The global Blockchain market is expected to grow substantially
- Increased investment in blockchain technology by SMEs
- Growing interest in the technology by national governments

Skills Requirements & Provision

Ranking of skills and comparison with the previous year.

| | Skills | Importance | Change |
|---|--|------------|---|
|  | Technical & Blockchain specific Skills | | |
| | Coding (C++, Python, Java) | 54,17% | 0 — |
| | Blockchain Solutions Design | 50,00% | 0 — |
|  | Develop Decentralised Applications | 35,00% | +2 ▲ |
| | Use Cases development | 45,83% | +1 ▲ |
| | Product Management Skills | 35,00% | +2 ▲ |
|  | Product Development Skills | 35,00% | -2 ▼ |
| | Transversal Future Skills | | |
| | Cooperation / Teamworking | 55,00% | 0 — |
|  | Self-determination & Autonomy | 50,83% | +3 ▲ |
| | Communication | 50,00% | -1 ▼ |

The Interviewees highlight that:

- demand from both education and job market seems to continue to increase and organizations are actively providing continued education through workshops, seminars, integration into existing programs to meet this demand.
- "we don't only need builders of the technology but also appliers, who understand where it can be beneficial and advantageous to apply".



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All findings presented in this Factsheet come from the blockchain skills forecasting report available soon on the CHAISE website. Publications & Reports - Chaise Blockchainskills (chaise-blockchainskills.eu)

