

TOP 10

SOFTWARE DEVELOPMENT TRENDS 2020-2021

Awareness of the latest software development trends for the coming year can help you with long-term business planning.

1 PRIMARILY DIGITAL WORLD

The global COVID-19 pandemic forced many businesses to quickly reorganize working processes and develop **new approaches** to survive.

Today, we witness the acceleration of **IT priorities** and **technology** roadmaps across enterprises.

63.3%

of businesses increasingly **prioritized digital transformation**, with the main focus being on:

- Contactless services
- Cloud migration
- DevOps

Software developers and **IT specialists** will play a critical role in building the post-pandemic world.

Source: Accelerated Strategies Group

2 THE IT SECTOR GROWTH

Though the IT industry was in a better position than other industries, it could not avoid spending cutbacks, delayed projects and staffing reduction due to the pandemic. However, it is recovering now and will return to the trend line of growth in 2021.

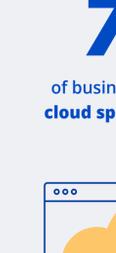
	Global IT spending	Global IT revenue
2020	5.4% decline	\$4.8 trillion
2021 forecast	4% growth	\$5 trillion

Source: Gartner, IDC

3 REMOTE WORK

In spring 2020, IT companies worldwide had to quickly establish new patterns of team management, communication and collaboration, so that employees could work from home.

The shift from onsite to remote work was a scary task. But it seems to have become the new normal, recognized for its potential to **bring benefits**.



59%

 of software teams have **increased their productivity** while working remotely

For **42.6%** of respondents, it has become **easier** to meet **deadlines**



64%

 of respondents plan to **work remotely 3+ days** per week

Source: Accelerated Strategies Group

4 CLOUD SERVICES GAIN MOMENTUM

The demand for **cloud services** and tools has increased due to the increase in the adoption of remote work.

74%

 of businesses expect their **cloud spending** to increase in 2021

In 2020, cloud spending has **grown by**

6.3%



SaaS solutions, taking the largest part of the public cloud market, are predicted to generate

\$120 BILLION



\$15 BILLION MORE

 than in 2020

Source: Gartner, Statista, InformationAge

5 E-COMMERCE SOFTWARE SOLUTIONS ON DEMAND

Despite the global economic decline in 2020, the **e-Commerce market** is growing at a rapid pace.

Online sales account for **14%** of total world retail sales and the number **will reach 22%** in 2023

The growing demand for **e-Commerce software solutions** is predicted in 2021 and beyond.

The global **e-Commerce** software market is **expected to grow** at a **CAGR** of

16.3%

from 2020 to 2027



Source: Statista, Grand View Research

6 JAVASCRIPT DOMINATES, PYTHON IS CATCHING UP

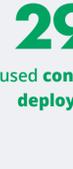
In 2020, **JavaScript** continues to dominate the list of the most used programming languages among developers worldwide.

Almost **68%** of software engineers used **JavaScript** in 2020



At the same time, Python is rushing to the top of this list

44%

 coded in **Python**

Thus, **Python** has already overtaken Java which is at **40.2%**

Python's growing popularity will continue well into 2021 and beyond, as it is the favorite language of developers creating apps with **AI-** and **ML-based** features.

Source: Statista

7 CONTAINERS AND MICROSERVICES ON THE RISE

The increasing adoption of containers and cloud-based microservices is explained by the fact that projects increasingly require greater scalability, security and 24/7 availability.

54%

 of businesses are using the **container** technology system **Kubernetes** in 2020

The global **cloud microservices market** size **will grow**

\$744 MILLION

 in 2020

\$1.5 BILLION

 in 2026

Source: Statista, MarketWatch

8 LOW-CODE DEVELOPMENT

Software engineering is moving toward simplification, with a new approach to creating new apps known as **low-code development**.

With low-code platforms, you can develop software without traditional coding but via graphical user interfaces and configuration.

Around **50%** of developers were using or planning to use **low-code products** in 2020

72%

 of **low-code developers** create applications **two times quicker** than those using traditional development

Source: Impact

9 CONTINUOUS INTEGRATION, DELIVERY, DEPLOYMENT

To ensure software quality from start to finish and to **deliver applications faster**, companies increasingly opt for the practice of continuous integration, delivery and deployment in software development.

The adoption of **CI/CD tools** is forecast to grow.

53%

 of software testers used **continuous integration tools** in 2019

38%

 used **continuous delivery**

29%

 and only used **continuous deployment**

The continuous integration tools market is **forecast to grow**

\$402.8 MILLION

 in 2017

\$1.1 BILLION

 in 2023

Source: mabl, Markets and Markets

10 OUTSOURCING

The demand for software development outsourcing is experiencing significant growth. It's challenging for companies across industries to hire talented IT specialists who could develop high-quality custom software projects and do it within budget. That's why companies choose to outsource.

In 2020, the global market for IT **outsourcing** was estimated at

\$342.9 BILLION

\$410.2 BILLION

Source: Business Wire

by 2027

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