



5 Internet technology predictions for 2022

IT and tech leaders look at the road ahead and predict what's next for hybrid work tools, cloud, AI, and more

As another year draws to a close, it's time for that most dreaded of online media articles: the predictions post. In this case, predictions about the near future of internet technology from a developer perspective.

In the tech world, prediction posts are particularly fraught because things change so quickly — and many times with a bewildering lack of logic.

As we embark on a new year, how can what we've learned help us in 2022? If the past two years have proved anything, it is the importance of rapid adaptability in the face of uncertainty. In 2021, CIOs focused on operational agility more than ever before. To prepare for the unexpected and adapt to whatever 2022 holds,

companies must further accelerate their digital transformation initiatives and prioritize specific technology trends. To keep navigating this level of change, CIOs know they need to start by focusing on talent retention and relationships.

Let's dig into five major predictions for 2022, from CIOs and tech leaders.

1. Hybrid cloud adoption grows in the hybrid work era

"With companies committing to hybrid work environments, leaders have to rethink priorities and consider balancing between scale, speed, privacy, and security. Businesses and customers need more flexibility than legacy data center environments or pure public cloud solutions can offer."

"That is why many companies are considering significant new investments in a hybrid cloud option. In 2022, we will see more acceleration adoption of hybrid cloud as it delivers excellent agility to grow and



support remote employees, enabling companies to pivot as business demands evolve and change in an uncertain world.” - Jamshid Rezaei, CIO, Mitel

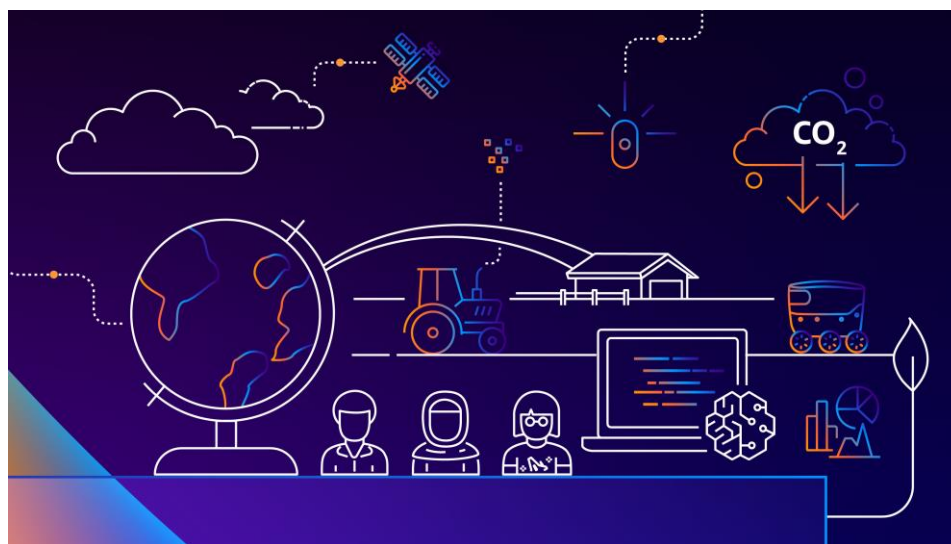
2. New hybrid workforce tools emerge

"Many of the collaboration platforms added great functionality in 2021, enabling them to address the remote workforce and the in-office workforce. As we evolve into the hybrid

workforce of the future, I think we will continue to see tools add functionality to try and make communication and collaboration as smooth and as efficient as possible. Workforce enablement goes well beyond collaboration. We also need to address the support of the remote worker."

"To that end, we are seeing a new breed of tools emerge that

are based on AI and machine learning. These tools can identify, alert, and sometimes, heal issues before the remote worker even knows there is a problem. While we have seen a consolidation of tools and platforms, I believe the hybrid



approach to workforce enablement will continue to be the right approach for the foreseeable future.” -Jeff Ton, Strategic IT Advisor, InterVision

3. More choices for multi-cloud deployments

"The cloud has become the primary location for software vendors to store their data over the last few years. Many have even moved their applications

to cloud platforms. The trend I am seeing now and what will continue in 2022 is software vendors investing in multi-cloud deployments. Organizations will not want to be locked into a single cloud vendor due to regulations like GDPR and

organizations wanting localized data.” -Charles Caldwell, VP of Product Management, Logi Analytics

4. Kubernetes and AI/ML get together for next-wave applications

"While we have already seen a wide variety of applications running in containers, we are beginning to see more organizations bring their mission critical, stateful applications to Kubernetes. Databases, event-driven messaging, and mission-critical applications are expected to move to Kubernetes to take advantage of the scalability,



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security and portability that Kubernetes brings to all applications. But amongst all the applications running on Kubernetes, one area that stands out is AI/ML."

"As Data Science becomes a critical role within nearly every company, the ability to improve and enhance many types of applications grows. From improving customer interactions to making better decisions with data, to things like modeling autonomous vehicles, AI/ML is impacting nearly every aspect of modern business. And Kubernetes

brings the perfect platform capabilities to AI/ML - scalability, access to GPUs, workload portability and much more. We have already begun to see organizations do great things with AI/ML on Kubernetes, and we expect the next-generation of applications to completely change industries." -Brian Gracely, Sr. Director Product Strategy, Red Hat OpenShift

5. Expanded use of analytics in digital transformation

"Much of 2022 will be about laying the groundwork for

expanded enterprise transformation initiatives. CIOs and their teams should be ready to identify the most viable business cases for applying the power of data and analytics. If your organization aims to drive large-scale digital transformation, as opposed to piecemeal initiatives based on a single use case, it is necessary to take an integrated approach to employ data and analytics to maximize value. -Rajan Sethuraman, CEO, LatentView Analytics



GIT thought provoking corner



"Your present circumstances don't determine where you can go. They merely determine where you start."

— *Nido Qubein*



Domain name registrations were free until 1995

It was in 1995 that a company called Network Solutions was granted the rights to charge people for domain names. And it was expensive too: prices typically started at \$100 per two years of registration.

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Career Guide



Quick & to the point – Career Advice

Question: "Andrei, any resume advise going into the new year?" - Yusef Kitchen

Yes, indeed I do. Pay attention to these questions:

What role am I targeting?

Your resume needs to be geared towards one specific position. Employers want to hire specialists, not generalists.

What companies am I targeting?

Knowing the type of company you are targeting helps to narrow down your research and be more specific in your writing.

What skills are critical to success?

The answer to this question tells you exactly what keywords and hard skills you need to include on your resume.

How do I add value?

Your resume must show how you can add value in a way that means something to the employer. Happy New Year and welcome to 2022! - Andrei



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2022 IT Entry-level Jobs in Michigan

If you're a computer whiz, then an entry-level job in IT (information technology) is a definite possibility for you. There are many different jobs in IT, and it's easy to see why. Our world runs on computers and computer-based systems, so people are always needed for technical support, data management, programming, research, and more. This isn't expected to change anytime soon either.....

Take computer and information research scientists. These professionals, whose job is to design and re-design or re-utilize technology, are some of the highest paid professionals in the industry, bringing home an average salary of \$100,660 per year. Even though about 28,200 of these professionals were employed as of 2010, the need for individuals who can fill these positions is expected to grow 19% by the year 2020!

Likewise, approximately 363,100 computer programmers, who are responsible for writing software code and developing various computer programs, were employed as of 2010, yet a 12% growth in the number of these positions is expected by 2020. Some of the best IT jobs that you can go for right now include computer support specialist, database administrator, information security analyst, software developer, and many others.

Find your special area of interest and then go to work applying for IT entry-level jobs in this exciting and rapidly developing field.





8 Tips for Preparing for an Entry-Level IT Career

If you are planning for a future in technology and computers, you are probably looking for advice and suggestions for how to make it all happen. There's more to embarking on the career of your dreams than getting the relevant training—although that is a significant step along the way. GIT has put together eight tips to help aspiring computer professionals like you prepare for an entry-level career in the Information Technology (IT) field.

GET AN EDUCATION

Unsurprisingly, the best thing you can do to set out on the path to becoming a computer support specialist, electrical technician, electronics

technician or other related professional is to get the best education you can. A Computer & Network Technician program like that at GIT will give you a practical and applied approach to learning using the tools and techniques deployed in the field today.

DON'T PIGEONHOLE YOURSELF TOO EARLY

It's very tempting to choose a specialty right out of the gate, but you could be doing yourself a disservice. Instead, start from a broad skills base. Rather than choosing a specialization that you may later wish to change, get to understand the fundamentals of computers and networking, learn about the many areas of focus available, and get trained in a wide array of options. You will then be able to confidently choose your specialty—or decide to remain a generalist with an even greater number of career openings available to you.

GET EXPERIENCE

Whether you pursue an internship, an externship, or

volunteer to help out in an organization that needs computer assistance, this is a great opportunity to get real-world experience. This will look great on your resume, and could even lead to a potential job with the organization where you are giving your time. Work experience will be a valuable differentiator when potential employers are looking at hundreds of resumes to fill a position. Additionally, these positions are great for building your network and understanding what it's like to work in IT in the real world.

NETWORK WELL & OFTEN

Have you considered joining professional networking groups? These groups can help you meet more people in the IT field, giving you exposure to the types of employers you'd want to work for, or the professionals you'd like to work with in an IT office. Getting to know others who are also junior in their careers can help you gather information about what it's really like in the field or possible job openings. Don't be



shy about asking questions and cultivating relationships with potential role models or mentors.

UPDATE YOUR PROFESSIONAL ONLINE PRESENCE

When you are applying for jobs, there's a very good chance potential employers will run a background check on you, reviewing your online presence. For this reason, it's important that you have an updated LinkedIn profile that matches your resume. The content on your social media pages should reflect the image you want to portray to the world, so review the content and photos you have posted with a critical eye. For better or worse, social media is an indelible part of your personal brand, so make sure that you are presenting yourself as the type of person that employers want to have in their IT departments.

DON'T NEGLECT THE SOFT SKILLS

Interpersonal and communication skills are just as

important as the technical ones. In fact, hiring managers pinpoint "the soft skills gap" as a challenge when hiring IT professionals. Take the time to develop your teamwork and relational skills—employers will appreciate your efforts to help build a supportive community, exhibit empathy, and demonstrate understanding. Soft skills also include problem-solving, writing skills, identifying patterns, and offering creative solutions to challenges.

PREPARE THOROUGHLY FOR INTERVIEWS

Do your homework in advance of any interviews. This includes making a list of the posted job requirements and how your skills and experience match up with them. Research the company to understand their culture, whether it's a good fit for you, and so that you can ask or answer relevant questions. Practice interviewing; know your strengths and weaknesses, relevant experience, and how to tell a story about yourself. Present yourself professionally, using proper interview

etiquette. Ask questions that demonstrate your familiarity with and interest in the company.

CONTINUE LEARNING & GROWING, EVEN AFTER YOU SECURE THE JOB

IT is constantly changing, so you are never really done learning. Remain active in developments in the field by reading (books, blogs, papers), staying abreast of evolutions in application development, hardware and software solutions, and continue networking with your professional peers. Look for professional development opportunities in the field, and consider additional training and certifications that might help enhance your career.

