



## Technology and Medicine: Doctors turn to thumbs for diagnosis and treatment by text

Dr. Anna Nguyen spoke with none of the five patients she treated on a recent weekday morning. She didn't even leave her dining room.

The emergency physician nevertheless helped a pregnant Ohio woman handle hip pain, examined a Michigan man's sore throat and texted a mom whose son became sick during a family trip to Mexico.

Welcome to the latest wrinkle in health care convenience: the chat diagnosis.

Nguyen's company, CirrusMD, can connect patients with a doctor in less than a minute. But such fast service comes with a catch: The patient probably won't see or talk to the doctor, because most communication takes place via secure messaging.

"We live in a consumer-driven world, and I think that consumers are becoming accustomed to being able to access all types of service with their thumbs," CirrusMD co-founder Dr. Blake McKinney said.

CirrusMD and rivals like 98point6 and K Health offer message-based treatment for injuries or minor illnesses normally handled by a doctor's office or clinic. They say they're even more convenient than the video telemedicine that many employers and insurers now offer, because patients accustomed to Uber-like convenience can text with a doctor while riding a bus or waiting in a grocery store line.

Millions of Americans have access to these services. The companies are growing thanks to a push to improve care access, keep patients healthy and limit expensive emergency room visits. Walmart's Sam's Club, for instance, recently announced that it would offer 98point6 visits as part of a customer care program it is testing.



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## GIT thought provoking corner

*"Nothing in this world can take the place of persistence. Talent will not; nothing is more common than unsuccessful men with talent. Genius will not; unrewarded genius is almost a proverb. Education will not; the world is full of educated derelicts. Persistence and determination alone are omnipotent."*

- Calvin Coolidge

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## Why are certifications important?

Nobody is born an expert programmer or cybersecurity specialist. It takes years of work to gain the skills and experience necessary to even get started choosing a field of specialized expertise.

The tech industry is one of the most dynamic fields in the modern marketplace, constantly changing, evolving, and developing new norms among its members. Simply keeping up is a full-time job, and it's still virtually guaranteed that some new development or specialization will pop up in the most unexpected of places.

Having an IT certification shows that a candidate or current employee is credible, dedicated, and competent. It shows that the individual has invested time and money into improving their skillset within a certain field – a big plus for any recruiter.

## CERTIFIED TECHNICIANS EARN MORE

According to Forbes, certification leads to higher average salaries for IT technicians.

Virtualization and cloud computing certification lead to an average salary of \$112,955 per year.

Examples of cloud-based computing training courses:

- Cloud-Based Integration Using Azure Logic Apps
- CompTIA Cloud+
- Power BI
- Microsoft's System Center
- Amazon Web Services certifications

can lead to salaries of between \$125,591 and \$121,292 per year – more than 10% higher than other high-paying IT certifications.

Project Management Professional certifications are the most popular in 2018 and provide an average annual salary of \$114,473.

These statistics point to major growth for certified IT professionals. Employers who need the most in-demand skills are willing to pay top dollar for certified talent.

However, it's not just the IT employee who has a lot to gain from certification. Self-employed developers and consultants can use in-demand certifications to establish trust between themselves and their clients. Many government and enterprise contracts require certification from the start.

to enter or exit the United States. The technology enables CBP officers to focus on the traveler interview rather than administrative tasks."

According to the Customs and Border Protection website, each international traveler's photo is taken before entry or exit. A biometric matching service compares the new photo with images including photographs taken during the entry inspection, photographs from U.S. passports, U.S. visas and other travel documents, as well as photos from previous Department of Homeland Security encounters.

Photographs of U.S. citizens collected through the process are deleted within 12 hours, customs officials said. U.S. citizens who don't want to have their picture taken can request other means of verifying their identities and documents.

Customs and Border Protection "has taken steps to safeguard the privacy of all travelers," including limiting the amount of personally identifiable information used, agency representatives said.

The move comes less than a year after Delta Air Lines Inc. introduced facial recognition at all of its Detroit Metro Airport international gates to help travelers more quickly check bags, get through security and board their flight.



## Facial recognition technology arrives at Detroit Metro Airport

Travelers at Detroit

Metro Airport can now opt to use facial recognition technology when going through customs, officials have announced.

The Simplified Arrival process aims to modernize international arrivals at the Romulus site while also speeding up arrivals and departures, U.S. Customs and Border Protection said in a statement.

"Facial comparison technology is used because it seamlessly integrates into the airport environment and is easy to use for travelers and facilitates the flow of legitimate travel," customs officials said in the release.

"Face comparison technology also strengthens National Security by reducing the risk that an imposter uses a lost or stolen travel document

## A look at IT: Trends, growth and careers

The world of IT is ever evolving, and this is apparent within the job market as well. This rapid evolution has led to an immense increase in the number of jobs which has, in turn, earned Canada's tech sector the title of the fastest growing industry in the country. Furthermore, Toronto recently beat out Silicon Valley and has become the

fastest growing market for tech jobs in the world. Companies and candidates in this day and age look for the right fit when choosing their next employee and/or employer. However, there are specific skills, technologies, and languages that make some roles more attractive and hotter in the market, leaving others in the dust.

Right now, if one were to type in “IT jobs” on Google, the hottest jobs would be in the Security and the Cloud space. As a matter of fact, with the shifting trends in the industry, it can easily be said that these two verticals are the first ones anyone would think of when thinking of jobs in IT. However, developers regardless of the languages they use are still very much in demand!



The Privacy, Compliance, and Security sector are also booming right now, so much so that every day sees an increase with people specializing within that field. Application Security, Security Architects,

Network Security, Privacy and Compliance Officers are just some of the areas within security that have started to gain enormous popularity lately. Cisco products and services are becoming a prime need for security services in IT, and therefore, the market currently is seeing many candidates becoming well-versed with Cisco. Almost every IT company has started a security practice and has begun exponentially hiring for this practice due to immense popularity and the need for all companies to protect their data and customers’ data.

Upon more in-depth analysis, it is unmistakable that both Development and Infrastructure have climbed their way up to the top with notable hot jobs. In the infrastructure world, Level 1 support jobs are high on the rise amongst new grads as it allows them to have their “foot in the door” by giving them an excellent introduction to the IT world. Moreover, Field Technician roles, Level 3 Technicians are also highly in demand as for most companies they act as their last line of defense where most issues are escalated.

The development world continues to be a hot market and one of the top paying jobs in IT. Clients are looking for Polyglot Developers, developers who can write in multiple programming languages who genuinely understand the core fundamentals of programming and knows what languages and frameworks to use when. The popular languages are Node.JS, Python, React.JS, GO lang, .NET and Dynamics AX. Developers who can pull intelligence out of very large sets of Data are in very high demand. In turn, this has given rise to jobs that require candidates who have experience with Postgres SQL, Mongo DB, Spark, Pig, Hive, Elastic Search, SSIS, SSRS, SQL, NoSQL among others.

Microsoft and Linux continue to dominate the market as top desirable ecosystems along with AWS and Azure being the top choices for preferred cloud services. Another new and hot position that has steadily climbed up the ranks in the IT world is one that bridges the gap between development and operations, more popularly known as DevOps! Positions involving DevOps are high on the rise in various organizations. These positions are also extremely desirable to candidates as they work with the newest technologies while getting paid top dollars. The IT industry is one that offers competitive salaries and tremendous career growth which has made it extremely attractive amongst job seekers, who continuously learn/develop and hone their skills to be up to date with the current hiring trends within the industry.



## A day in the life of a ... Software Engineer in the Gaming Industry

The industry of online gambling has seen a tremendous improvement over the past few years. Thanks to technological advancements, the customer’s gaming experience has been greatly enhanced and the security aspect of the gaming platforms has improved as well. These innovations

have helped a wide range of online casino gamers to indulge in their favorite pastime at any time that they want to and wherever they may be.

AR refers to augmented reality while VR means virtual reality. While the AR goggles are designed to fully enhance your gaming experience, the VR goggles will take you to an entirely new world of gaming. Software designers have been continuously innovating with these two technologies for a while now and there are only a few platforms that have been supporting both of these technologies. Yet, this could change soon and all online casino platforms that are equipped with VR or AR technology will surely attract millions of online gamers.



## Quick & to the point - Career Advice

**Question:** "What's the best way to negotiate a counter offer when you're not thrilled with the job offer you received? How much leeway do you have when you get a job offer??"

**Answer:** When considering a counter offer, there are several things you can do to increase your odds of getting more pay, and a few things that could stand in your way. Take a look at each below before you decide:

### ✓ Do This:

- Research salary ranges for your desired position
- Know that greater than 50 percent of employers expect to negotiate for entry-level job salaries
- Understand that employers will offer the lowest pay they think you'll accept
- Consider how much you need or want the job, market rates, other opportunities, and the current job market
- Focus on facts, such as the value you bring, rather than on emotions
- Be prepared to ask for other benefits if a higher salary isn't an option

### ✗ Don't Do This:

- Rely on your gut feeling or financial needs when choosing your counter-offer range
- Set the bottom of your range lower than what you're willing to accept
- Negotiate too aggressively or they'll rescind the offer
- Expect to get more if you're not willing to ask
- Negotiate just for the sake of negotiating
- Make a bluff if you're not really willing to walk away

## Military Veterans

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VA Benefits Accepted At Global IT.  
CHAPTER 33 – Post 9/11 GI Bill®  
CHAPTER 30 – Montgomery GI Bill® for Active Duty (MGIB-AD)  
CHAPTER 1606 – Montgomery GI Bill® Selected Reserve (MGIB-SR)  
CHAPTER 31 – Vocational Rehabilitation and Employment (VR&E)  
CHAPTER 35 – Survivors' and Dependents' Educational Assistance Program  
VET TEC – Veteran Employment Through Technology Education Courses

For more information about your specific benefits in regards to your service, call 248-557-2480 to set up an appointment with one of our career advisor or visit <https://www.global-itech.com/va-program>.

### What is VET TEC Program?

VET TEC is a new tuition and housing assistance program to fund veteran job training in the technology field. It's an alternative to the Post-9/11 GI Bill, with a focus to get veterans into high-tech skills that are in demand in today's workplace.

### Does Global Information Technology (Global IT) accept the VET TEC benefits?

Yes, Global Information Technology (Global IT) is approved by Department of Veteran Affairs to receive benefits under VET TEC Program. Service members interested in enrolling in one of our VET TEC programs should begin by filling out the contact form below. Afterwards, one of our career advisor/certifying officials will contact you to schedule a tour and/or answer any questions you may have.

Global Information Technology – Monthly Newsletter  
November 2019

**How do I use my Post 9/11 G.I Bill?**

Global Information Technology is approved by the State of Michigan Proprietary School Education and the US Department of Veterans Affairs, to accept Veteran education benefits. These benefits may cover up to 100% of tuition and fees, and can provide a percentage stipend for your courseware, lodging, testing and other training-related costs as well. I



**GIT monthly career workshops**

We all need help, time-to-time. That is why Global Information Technology provides FREE career preparation workshops for students. There is no obligation to register for any of our courses. We just want to help .....

**When: Wed., November 20, 2019**  
**Time 5:15 PM**  
**Topic: Becoming an IT Consultant and Putting your Skills to Work**

**NEW! The Global IT Scholarship Program**

Global Information Technology is proud to announce the Global IT Scholarship Program. Every month, the Global IT Scholarship will be awarded to one highly driven individual wanting to begin or advance their IT career. Exclusively, the scholarship will provide a grant of \$2,500.00 towards any certification course or remote live training at Global Information Technology.

Global Information Technology created this IT Scholarship, to give back to the community and spread our desire to help those in need. "We believe that learning is essential and we will continue to help and develop individuals to help them succeed in their personal development goals", said Manish Modi, Program Director.

Take advantage of this unique opportunity; apply for the Global IT Scholarship today!

<https://www.global-itech.com/the-global-it-scholarship/>

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- ◆ Must have a high school diploma or GED equivalency
- ◆ Must be at least 18 years of age & Michigan Resident
- ◆ Must be interested in the Information Technology field
- ◆ Must be interested in training at Global Information Technology
- ◆ Must be able to attend classes in person (online not currently available)
- ◆ Must attend classes regularly
- ◆ Must be able to pay for training materials
- ◆ Must be able to pay for examinations where necessary
- ◆ Must complete scholarship application and essay

Global Information Technology  
28600 Southfield Rd., Suite 103  
Lathrup Village, MI 48076  
E-mail: [info@global-itech.com](mailto:info@global-itech.com)

Office: (248) 557-2480  
Toll Free: (866) 464-4846  
Fax: (248) 557-8650  
Website: [www.gogitgo.com](http://www.gogitgo.com)