



Gratitech
Incorporated



GRATITECH, INC.

AI, Data Science, Cyber Protection, Full Stack Application Security, Machine Learning and Professional Services

WHAT WE DO: FULL STACK CYBER PROTECTION



- Gratitech safeguards technology **across the entirety of applications**, from the front-end to the back-end and the code that connects the two.
- We accomplish this by **architecting and engineering highly secure risk-controlled software** tailored to your business.
- Our **innovative approach** protects against cyberattacks and gives you **peace of mind**.

OUR PURPOSE

Technology is changing businesses at a rapid pace. It's helping to acquire more customers, engage employees, improve product and service offerings, speed up process, and bring people together. Gratitech is grateful for technology.

Our purpose is to ensure organizations continue to reap the benefits of technology in a secure manner.

PATRICK KELLY, FOUNDER



With over 20 years of technology and cybersecurity experience, Patrick has been through the full spectrum of securing the OSI Model working with a range of large and medium size cybersecurity companies.

He has helped architect full-stack technology, cloud, IoT, compliance, risk management, and full-stack cybersecurity and application security solutions for over thirty-five organizations.

He decided to create Gratitech to bring an all-inclusive application security solution to the market, reducing time and cost of cybersecurity management, all while increasing accuracy, protection, and peace of mind.

Patrick is pursuing his Master of Science degree in AI at Northwestern University and enjoys an active and healthy lifestyle, records music, and practices Jeet Kune Do.

SOME OF THE ORGANIZATIONS THAT PATRICK HAS HELPED AS A CONSULTANT OR EMPLOYEE:



CURRENT MARKET TRENDS ARE ACCELERATING RISK



Digital Evolution

- New exposure arising from the digital evolution
- Magnified by the COVID-19 environment



Ransomware and Data Breach

- Attacks exploded in 2020 and continue to rise at a staggering pace
- Serious threat to modern data and disruption to business

CURRENT MARKET TRENDS ARE ACCELERATING RISK



Cloud

- Cloud services are now being targeted by cyberthreats at an accelerated pace.
- Attackers exploit vulnerabilities and access



Third Party and Supply Chain

- Many organizations are not ready to manage third-party risks arising from their supply chains. Know your partners.

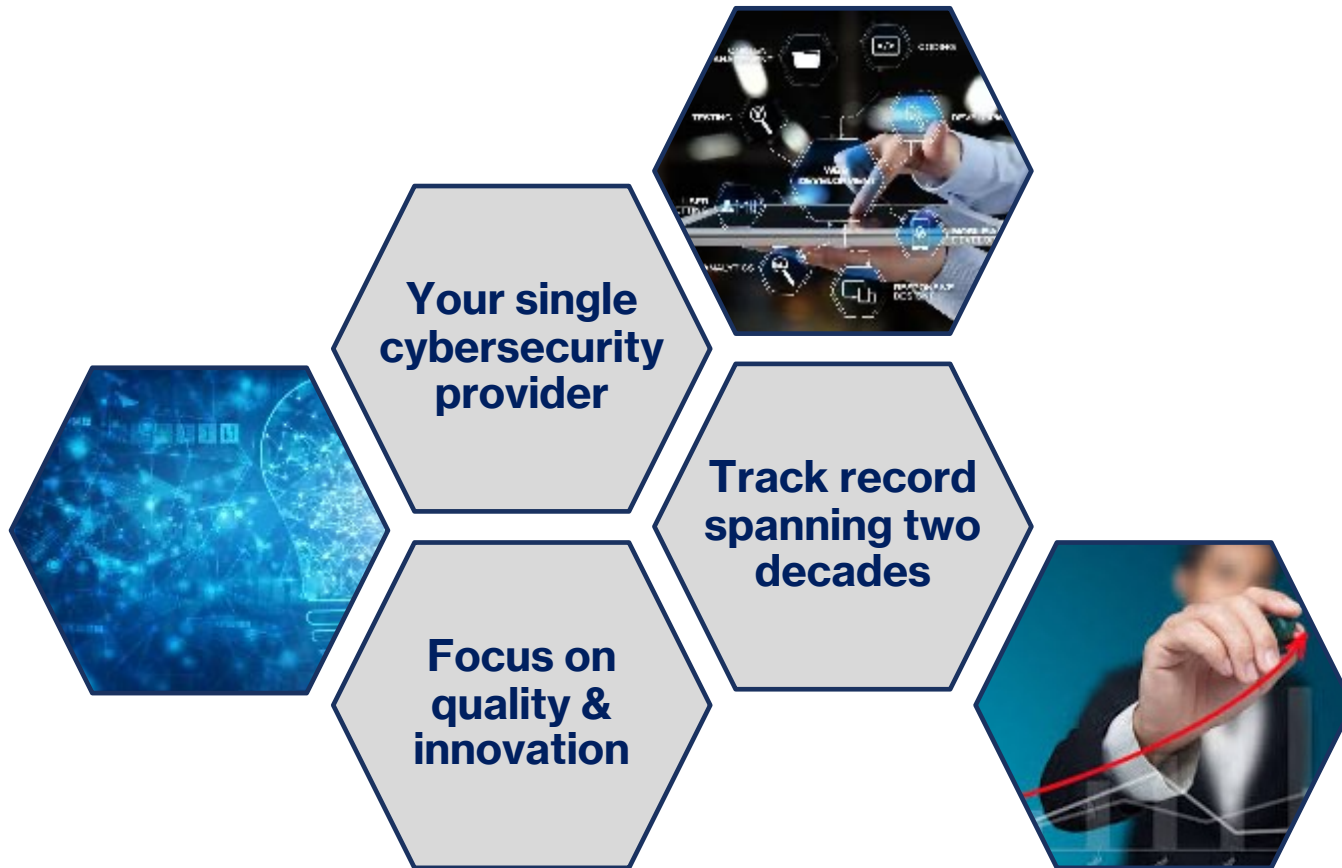


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BE PREPARED FOR EMERGING RISKS

**Artificial Intelligence.
Tech Supply Chain.
The Dark Web.
Alternative Payments.
Investment Plans.
Blockchain & Smart Contracts.
Quantum Computing.**

WHY GRATITECH



High quality cyber protection

- Constant focus on Innovation and NextGen technology

Proven, trusted, reliable

- Track record spanning two decades

Saves you time and money

- Single source full stack provider

GRATITECH CUSTOMERS 2022-2023



Fannie Mae

CHUBB®

VOLVO

MACK®

GRATITECH IS YOUR SINGLE PROVIDER FOR CYBERSECURITY



Safeguard
Your Existing
Applications



Architect and
Engineer New
Applications



Consulting &
Training



GRATITECH SERVICES



Solution	Our Focus
Full Stack Cybersecurity	Protect the entirety of your system and applications across all layers.
Application Security (AppSec)	Gratitech will find, fix, and prevent security vulnerabilities at the application level in hardware, software, and development processes.
Development Security Operations (DevSecOps)	We automate the integration of security at every phase of the software development lifecycle, from initial design through integration, testing, deployment, and delivery. We also offer governance as code solutions.
Secure SDLC	Gratitech works with clients to integrate security into the entire software development life cycle so that it enables, rather than inhibits, the delivery of high-quality, highly secure software.
Secure Coding	We can reduce your risk of exploits and attacks by writing better and more secure source code and we can train your development teams to write secure code.
Quantum Security Services	Design and architecture of secure quantum computing and hybrid quantum computing solutions.

GRATITECH SERVICES



Solution	Our Focus
IoT and Blockchain Security	With the increasing application of IoT, the security of data and systems from hackers has always been a major concern. Gratitech can use blockchain for improved security by using device-to-device encryption to secure communication, key management techniques, and authentication.
Artificial Intelligence & Machine Learning	Machine learning is advancing at a staggering pace and is inevitable part of how organizations will do business. The choices AI are making for us can be influenced or attacked, and this poses a significant risk for your organization. Gratitech can help secure your Artificial Intelligence, Machine Learning environment, and facilitate or provide high quality data models.
Secure SaaS	Gratitech can protect your Software as a Service applications to minimize the risk of unauthorized access and other misuse that could result in a data breach or disruptions to your operations.

GRATITECH SERVICES



Solution	Our Focus
Secure Collaboration	Safeguard your information sharing capabilities to ensure multiple parties are securely exchanging data in an encrypted software environment.
Full Stack Software Architecture and Engineering	Gratitech can develop securely on both the front and back end of applications.
Cloud Security Architecture	We can coordinate the monitoring of the lifecycle of specific cloud security assets, identify variances from cloud security architecture standards, and educate development teams on secure coding practices.
Blockchain and solidity smart contract cryptocurrency security solutions	Security remains one of the significant concerns regarding smart contracts. A small error in smart contract coding can result in significant financial losses. Security needs to be top of mind for developers when writing smart contracts.

GRATITECH SERVICES



Solution	Our Focus
Secure hardware and software architecture and design services	Gratitech can focus on physical computer hardware and software required to have a secure system. The hardware and software must provide confidentiality, integrity, and availability for processes, data, and users.
Secure centralized or decentralized unified communication and network architecture and design services	Gratitech can focus on physical communication and network hardware/software or virtual devices required to have a secure communication and network system. The hardware & software must provide confidentiality, integrity, and availability for processes, data, and users.
Secure centralized or decentralized call center unified communications and virtual team meeting architecture engineering, design and provisioning services	Gratitech can focus on physical and virtual call center communication and virtual collaboration and meeting hardware or virtual devices required to have a secure communication and virtual collaboration and meeting system. The hardware and software must provide confidentiality, integrity, and availability for processes, data, and users.

PROGRAMMING LANGUAGE AGNOSTIC SECRET PROTECTION WITH S3CR3TX – AVAILABLE NOW AS OF JANUARY 23, 2023.

Visit <https://s3cr3tx.com> for more info

Gratitech provides support and customization
of s3cr3tx starting at \$9.99/mo or \$99.99/yr

s3cr3tx helps you protect secrets
in code, for example:

- OpenAI's ChatGPT credentials in code,
- Database connection credentials,
- Email connection credentials, &
- any credentials or secrets in code.

S3cr3tx.com API can be used as a SaaS solution

Or on-premise, containerized, hybrid, on your

Own infrastructure and servers/equipment

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Protect your secrets in code with [s3cr3tx](#)

C#.NET, Python, Java, and Go code examples using s3cr3tx are on [GitHub](#)

Using s3cr3tx in [Python](#) :

```
1 import requests
2 import logging
3
4 def print_msg(strMessage):
5     logging.debug(strMessage)
6     print(strMessage)
7
8 def main():
9     try:
10         logging.debug(f'Start of s3cr3tx demo in python !!')
```

LOOKING AHEAD – WE CONTINUE TO GROW AND SCALE



Hiring & Training



Adding expertise with specialized training

Technology Innovation



**Automation of prevention, detection, and delivery
of high-quality software and data models**

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