



ABOUT

CTO (Cipoletti Technology Organization) offers full-spectrum technology services, including Cybersecurity, AI, Website, and Consulting solutions. AI is at the forefront of all our solutions. We provide full IT services to organizations: think of us as your dedicated Chief Technology Officer (CTO), focused on strategic guidance and measurable results. We have developed a proprietary formula for evaluating and managing your entire technology function. We are a highly skilled team and we like to let our stats speak for themselves:

- **Cybersecurity:** 0 Customers Hacked
- **Protected:** 750+ Devices
- **AI:** 150+ Projects
- **Websites:** 200+ Built
- **Hosting:** 5000+ Domains
- **In Business:** 31+ Years

Air Products

Allentown Federal Credit Union

Cantor Fitzgerald

Cetronia Ambulance

Comcast

County of Lehigh

DeSales University

Dun & Bradstreet

Jefferson Health

Meadowlands Racetrack

PA Chamber of Commerce

Saturday Evening Post



FOUNDER

As owner and founder of CTO, Rick Cipoletti brings more than 31 years of technology experience to every engagement. He is an expert across the firm's four practices - Consulting, Cybersecurity, AI, and Websites — and combines that technical depth with an MBA from Villanova University. Founded in 1996 as Strategic Solutions, CTO (Cipoletti Technology Organization) is his namesake company, created to serve as a one-stop shop for your entire IT function.

Rick built every CTO practice the same way: by mastering the work himself, then building the team to deliver it. His consulting provides senior technology leadership - Fractional CTO and vCISO engagements grounded in strategy, technology roadmaps, and deep compliance expertise. In cybersecurity, he has kept public-facing infrastructure secure since 1996, pairing that track record with modern defenses from zero-trust architecture to AI-driven exploit detection. He has worked hands-on in AI since 2020, well before the headlines, across governance, custom development, automation, and analysis. And in websites, he has personally mastered every discipline: design, full-stack development, databases, hosting architecture, and SEO.

Rick's expertise has made him a sought-after consultant. He has been quoted online and in newspapers, testified as an expert witness, made numerous television appearances, and lectured at organizations and colleges across the country. His consulting is used locally and internationally in the financial services, healthcare, nonprofit, and government sectors, with clientele ranging from startups to Fortune 500 companies. Rick developed <Irreverent IT> - an approach that challenges conventional thinking, discards outdated best practices, and prioritizes



modern, results-driven solutions - enabling his customers to outpace their peers, grow while others have collapsed, and leverage market opportunities in good economies and bad.

Consulting: <Fractional CTO> | <vCISO> | <IT Assessments> | <SOC 2> | <HIPAA> | <PCI DSS> | <CMMC>

Cybersecurity: <Security Roadmaps> | <Risk Assessments> | <NIST CSF> | <ISO 27001> | <Zero Trust> | <Cloudflare> | <Penetration Testing> | <AI Exploit Detection>

AI: <Roadmaps> | <Implementation> | <Agents> | <Chatbots> | <Custom Applications> | <Automation> | <Governance> | <ChatGPT> | <Claude> | <Gemini>

Websites: <Web Design> | <Web Development> | <SEO> | <Mobile Apps> | <JavaScript> | <Databases> | <Server Architecture> | <Web Hosting Security> | <ColdFusion> | <E-Commerce>



CYBERSECURITY

It ain't bragging if it's true. For 31+ years CTO's officials have hosted over 1,000 high-end websites without a single network intrusion or hack. Therefore, leveraging our talents and experience within the increasingly vulnerable cybersecurity environment benefits everyone we work with. We have reached the highest in network security standards: HIPAA, SOC2, CMMC, NIST CSF and PCI DSS Level 1. Our experience protecting our own network with Zero Trust architecture makes us uniquely qualified to protect your network.

On May 25, 2025, the U.S. Treasury was hacked. If the Treasury is vulnerable, you can be sure your network is too. With CTO's help, you can analyze your current exposure and the potential risk, which increases daily as cybercriminals become bolder and more sophisticated. Network security has now become the top priority at companies across the world and in numerous industries. For decades, banks, hospitals, and government agencies have entrusted us with their network protection, ransomware resilience, and cybersecurity. We would love to provide the same level of assistance to your websites, applications, networks, and other potential objects of attack.

AI has flipped the script in cybersecurity. We are experts in using AI to protect your network, and we are also adept at preventing AI-generated attacks. We are not resellers, so we are not recommending a particular security suite simply because we receive a commission on monthly licensing fees. You can be confident that our suggestions are best-in-class, as we select the most suitable solution for you without any profit-driven incentives. Ask your current provider whether they can make the same claim.



AI

AI is in the headlines every day, reshaping jobs, transforming technologies, and disrupting entire industries. If you think ChatGPT is just a chat tool or believe Gemini only refers to a zodiac sign, it's time to level up your Artificial Intelligence literacy. AI may be a small phrase, but its impact on business is massive. Yet most organizations don't know how to harness it. Those who embrace it early will gain a decisive advantage over those who hesitate. AI is advancing at lightning speed and can revolutionize nearly anything. The real question is: What can it do for you?

Everyone's talking about AI. At CTO, we've built it — 150+ projects and counting. We specialize in helping businesses harness the full power of Artificial Intelligence. Whether you're looking to integrate AI into your workflows, develop intelligent applications, or strategize your AI roadmap — we are your trusted partner. Our AI consulting services include:

- **AI Strategy Development:** We work with you to design tailored AI strategies aligned with your business goals.
- **AI Readiness Assessment:** Not sure where to start? Our assessments identify opportunities, risks, and the best path forward.
- **Technology Selection:** We help you choose the right tools, platforms, and models.
- **Custom AI Application Development:** We design, build, and deploy Generative AI (GenAI), Agentic AI, Computer Vision, Natural Language Processing (NLP), Large Language Models (LLMs), and Deep Learning systems and solutions tailored to your needs.



- **AI Implementation and Automation:** We build and implement AI agents, chatbots, and agentic workflows that automate business processes and, where appropriate, enable autonomous task execution.
- **AI Governance and Compliance:** Ensure your AI initiatives are ethical, transparent, accountable, and compliant with regulations.

No two businesses are alike, and your AI solution should not be either. We design and implement AI strategies tailored to your unique challenges and opportunities. From ideation and rapid prototyping to full-scale deployment, we guide you through every step of the process. The result is higher productivity, greater customer satisfaction, increased revenue, and reduced costs. All powered by AI that works for you.



WEBSITES

Our website solutions bring together all four of our core divisions - design, development, hosting, and SEO - to help companies of every size stay ahead of the competition. Our team includes highly skilled designers, developers, technology consultants, network technicians, marketing professionals, content creators, and project managers, all working together to deliver comprehensive web solutions. Today, every division of our company relies heavily on GenAI to accelerate content creation, enhance design, streamline coding, strengthen security, and improve search performance. With more than 200 websites delivered and an average client payback of under one year, we combine innovative design, advanced development, reliable hosting, high-ranking SEO, and modern AI capabilities to build websites that meet your business needs today and into the future.

Design

Creating an effective web presence today requires more than design talent - it demands intelligent systems that elevate every part of the experience. At CTO, we combine expert design with the power of GenAI to produce high-quality content, custom images, and tailored video assets at scale. Our team builds websites that not only look exceptional but also communicate with clarity, speed, and consistency. We leverage modern web technologies and GenAI-driven creativity to craft sites that convert visitors into customers and represent your company with unmatched professionalism. From strategy to launch and ongoing support, we deliver a complete, end-to-end web solution built for how people engage online today.



Development

If our clients can dream it, we can build it. We use the latest AI development tools in our programming and we have been building custom AI applications since 2021. Our stellar reputation rests on our ability to build web applications that no other website firm are able to tackle. We get the job done when other web development companies have failed. Our clients represent a variety of industries throughout the world. From household names to those you've never heard of; non-profits to Fortune 500's. They all have one thing in common - our custom web development solutions not only allow them to succeed, but to always remain one step ahead of the competition.

Hosting

In the internet business world, a web site is only as good as the network it's hosted on. CTO is committed to simplifying the web for businesses by providing a broad range of web-based solutions that can be tailored to fit your specific needs today and in the future. Enabling you to design, host and grow your e-business through a single source eliminates many of the common pitfalls associated with using multiple outside vendors. Our web hosting services include the computer hardware, software, network technology, and systems management necessary to support our customers' web sites. We have done business with over 5,000 hosting customers, CTO has become a leading hosting company providing products and services that allow individuals and companies to harness the power of the internet. CTO has hosted websites in over 50 countries worldwide since 1996.



SEO

AI chat systems, the Google Omnibox, and emerging lens-style visual search tools are transforming how people discover information. CTO integrates traditional search engine optimization (SEO) with generative engine optimization (GEO), helping your business gain visibility in AI-generated answers from platforms such as ChatGPT and Claude while remaining competitive on Google and Bing. We incorporate these evolving discovery paths directly into our SEO process so your business is positioned for both current and next-generation search behavior. Our clients expect measurable results and a comprehensive, efficient, and cost-effective strategy that helps their websites rank above industry competitors. Recognized as an elite SEO company, CTO develops customized online campaigns designed to increase the quality and quantity of website visitors, improve visitor-to-customer conversion rates, and maximize the return on your online sales and marketing investment.



CONSULTING

Most technology mistakes don't start with a missing tool or a bad line of code. They start with a missing plan. CTO (Cipoletti Technology Organization) helps businesses make better technology decisions before money is wasted, risk is increased, or disconnected vendors create avoidable problems. Our consulting is senior technology leadership, not general IT labor — executive-level technology and security judgment for organizations that need experienced direction and practical execution without the cost or commitment of a full-time CTO or CISO.

Our consulting follows a deliberate strategy we call <Irreverent IT>. We don't treat generic best practices as sacred when they no longer serve the business; we question default assumptions, challenge outdated playbooks, and build strategy around your actual risk, budget, systems, and goals. Strategy comes before tools, and our judgment is vendor-neutral — the right answer is the one that fits your business, not the one that pays us a commission. Because every business is different, your plan should be too.

Fractional CTO

A Fractional CTO gives you executive technology leadership without a full-time executive's salary. We own the strategy and roadmap, oversee your vendors, govern how the business adopts AI, direct website and application decisions, and plan your move through the cloud — setting budgets, deciding what gets built first, and keeping every choice aligned with where the business is trying to go. You stop reacting to technology and start directing it. Done well, Fractional CTO consulting turns



technology from an unpredictable expense into a measurable business asset.

vCISO

A virtual CISO gives you accountable cybersecurity leadership before you need it under pressure. We build your risk plan and security strategy, align you with the compliance frameworks your clients and industry expect — SOC 2, HIPAA, CMMC, NIST CSF and PCI among them — review your vendors, support the security questionnaires your clients send, set your identity and access strategy, and prepare you to respond when something goes wrong. The result is a practical security roadmap and accountable leadership in place before you buy more software, face more client security demands, or wait for an incident to expose the gaps.

IT Consulting

Strategy only matters if it gets executed. IT Consulting is the practical layer that carries Fractional CTO and vCISO direction into the real world: we run IT assessments, plan and modernize infrastructure, coordinate vendors so they work together instead of past each other, oversee projects from decision through delivery, keep your cybersecurity, AI, website, and cloud work aligned to a single plan, and stay available for the technical decisions in between. We don't just advise from a distance — we convert strategy into practical next steps, accountable vendors, and measurable execution.

You don't need another disconnected vendor. You need senior technology leadership that can see the whole picture.