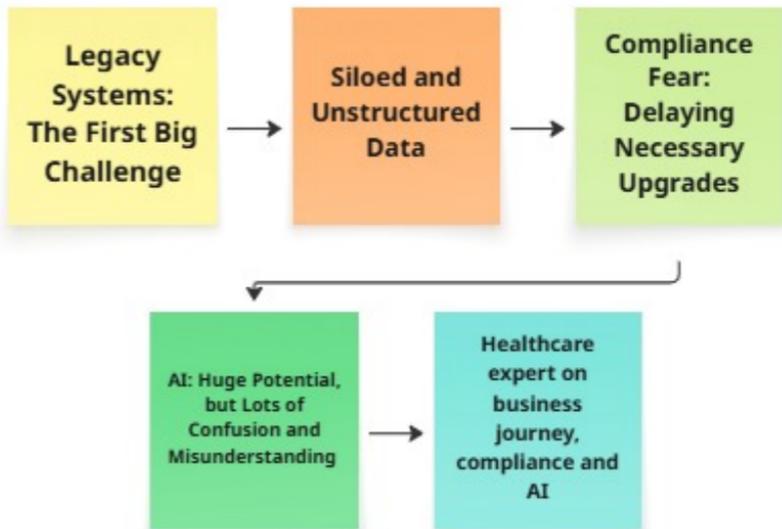




# Transforming Healthcare IT: From Compliance Basics to AI Innovations



## Welcome & Overview



**Igor Omelanchuk**  
Tech & R&D Expert,  
CEO Corsac Tech

- In tech since 2012
- Focused on business operations that optimize revenue and delivery of software projects
- Enterprise software modernization advisor



**Jason Merrick**  
CEO and Founder  
at Assured Pediatrics

- 20+ years of clinical experience
- CEO & Founder
- Worked at noted institutions like San Diego Fire Department, Sutter Health, Providence, and San Francisco General Hospital
- Worked as a paramedic, nurse, and managerial role



**Andrew Lyohuk**  
Fractional CTO & IT  
Infrastructure Strategist

- In tech since 2004
- Fractional CTO & Tech Advisor
- Led product development from scratch and scaled the R&D team to 100 people
- Led 40+ projects through different stages of SDLC





# The First Big Challenge



**Many systems are 10-20 years old**

**Outdated languages and frameworks**

**Full of hard-coded rules**

**Do not support modern integrations**

*Healthcare organizations need help modernizing. Across the U.S. and Canada, many hospitals, clinics, and healthcare startups still rely on systems that were built 10 to 20 years ago. These systems are difficult to update and full of hard-coded logic, making even small changes expensive and slow. They also aren't prepared for modern requirements like cloud security, interoperability, or AI. This slows innovation - but it also creates a major business opportunity: organizations need partners who can modernize safely and help them move step by step toward modern solutions. g, rewriting, migrating, and rebuilding their systems safely, step by step*



# Siloed and Unstructured Data



**Systems  
don't talk  
to each  
other**

**Data stored  
across  
multiple  
tools and  
formats**

**No  
structured  
pipelines**

*Healthcare data is extremely fragmented. Lab systems, EMRs, imaging software, billing platforms-often all run independently. Some information is still stored in paper forms. AI and real-time analytics are not "plug-and-play" - they depend on structured, connected data pipelines. Building these requires modernization, secure integrations, and compliance review. Organizations need help creating these environments because without structured data, AI and automation cannot work effectively*



# Compliance Fear: Delaying Necessary Upgrades

**USA:**  
HIPAA  
HITECH  
CMS/ONC  
FDA guidelines

**Canada:**  
PIPEDA  
PHIPA (Ontario)  
HIA (Alberta)  
etc.

**Cloud  
migration  
feels risky**

**Change often  
avoided →  
systems get  
even older**

*Healthcare organizations must comply with strict regulations. Many companies are unsure how these rules apply to modernization, cloud vendors, or AI solutions. This uncertainty makes leaders afraid to upgrade systems - even when those systems are insecure or outdated. That's where expert guidance becomes crucial. Organizations don't just need developers - they need partners who understand modernization and compliance together, and who can document processes, apply safeguards, and ensure privacy from the start*



# AI: Huge Potential, but Lots of Confusion



Questions  
about safety,  
fairness,  
legal  
responsibility

Security  
and  
privacy  
concerns

Confusion  
slows  
adoption

*The demand for AI is enormous - clinical decision support, predictive modeling, diagnostics, automation, and more. But companies have many unanswered questions: What's allowed? Is AI a medical device? Who is responsible if AI makes a mistake? How do we secure patient data? Without clarity, many organizations hesitate. Healthcare doesn't need AI experiments - it needs safe, compliant, real solutions. To achieve this, modernization, structured data, and compliance need to come first*



# AI: Existing directions



- **AI-assisted diagnostics**
- **Automatic clinical documentation**
- **Predictive models for risk and readmission**
- **Antibiotic susceptibility tools**
- **Smart scheduling and resource prediction**
- **Operational automations**
- **Analytics from imaging, lab results, and EHR data, etc.**



# Who can help us better understand the “compliance journey”



- 20+ years of clinical experience
- CEO & Founder
- Worked at noted institutions like San Diego Fire Department, Sutter Health, Providence, and San Francisco General Hospital
- Worked as a paramedic, nurse, and managerial role



**Healthcare professional with real experience**

**Has built solutions in regulated environments**

**Will explain the compliance journey**



# Summary & Final Thoughts



**Legacy  
systems  
slow  
progress**

**Data  
remains  
fragmented**

**Compliance  
is complex**

**AI offers  
huge  
potential if  
implemented  
safely**

*Healthcare in the U.S. and Canada is facing a major transition. Systems are outdated, data is scattered, compliance is often confusing, and AI introduces both new possibilities and new risks. These challenges can feel overwhelming, but they also create tremendous opportunities for organizations willing to modernize. With the right partners, careful planning, and a strong understanding of compliance, healthcare providers can move forward safely and confidently. If you are considering system upgrades, better compliance, or AI adoption, we are ready to support you in that journey. Thank you for your time, and we look forward to helping you take the next step.*



<https://assuredpediatrics.com/>



[corsactech.com](https://corsactech.com)



Compliance is not a barrier to AI innovation - it is a requirement that enables safe, trusted, and scalable solutions.

Let's continue building AI that is accurate, explainable, and compliant with regulatory standards



*Book a consultation*



*<https://assuredpediatrics.com/>*

*[corsactech.com](https://corsactech.com)*



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**More webinars coming**  
**soon**

