

MARK KEMBEL

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CHIEF AI OFFICER · BOARD CHAIR · HEALTHCARE TRANSFORMATION EXECUTIVE

Enterprise AI, healthcare modernization, and large-scale transformation leader with 20+ years driving modernization across complex clinical, operational, and regulatory environments. Architect of next-generation surgical intelligence systems integrating AI-driven digital twins, multimodal medical imaging, and the new class of NVIDIA AI PC chips enabling real-time, on-device surgical decision support.

Combines deep technical expertise (AI, digital twins, medical imaging, enterprise data systems) with board-level governance, financial stewardship, regulatory leadership, and cross-functional enterprise execution. Recognized for commercializing advanced AI platforms, governing AI systems aligned with FDA 510(k)/De Novo, HIPAA, and NIST AI RMF, and delivering safe, ethical, and scalable AI for national healthcare deployment.

Built multimillion-dollar companies, secured enterprise partnerships with Microsoft, Boeing, and Intel, and led cross-functional teams across engineering, clinical operations, legal, compliance, and enterprise IT. Experienced board chair with governance oversight, capital strategy, enterprise risk management, and long-range strategic planning.

CORE EXECUTIVE COMPETENCIES

Enterprise Leadership: Large-Scale Transformation · Cross-Functional Influence · Operational Excellence · Enterprise Risk Management **Healthcare Modernization:** Clinical Workflow Optimization · Digital Twin Systems · Imaging & EHR Integration · Regulatory Compliance (FDA/HIPAA) **AI Leadership:** AI Strategy · Responsible AI · Computer Vision · NLP · Predictive Analytics · On-Device AI (NVIDIA Holoscan-class, GROOT-H, Cosmos-H) · AI Databases · NIST AI RMF **Governance & Legal Partnership:** Board Governance · Legal Counsel Collaboration · Contract Negotiation · Regulatory Strategy · Risk Mitigation **Financial Stewardship:** Budget Ownership · Multi-Bank Financing · Capital Strategy · Stock Offerings · P&L Management **Enterprise Execution:** SaaS Monetization · Cloud (AWS/Azure) · Edge + Cloud Hybrid AI Architecture · Data Platforms · GTM Strategy · Enterprise Partnerships

BOARD & GOVERNANCE LEADERSHIP

Chairman of the Board — Global Surgical AI Healthcare (GSAI)

Kirkland, WA | 2025–Present · Provide full board governance, including financial oversight, enterprise risk management, and long-range strategic planning. · Partner with legal counsel on regulatory strategy, corporate structure, contracts, and compliance frameworks. · Led multi-bank financing efforts, negotiating loan structures and capital access to support clinical deployment and enterprise scaling. · Oversaw governance alignment with FDA 510(k)/De Novo, HIPAA, and NIST AI RMF. · Directed enterprise partnership strategy with hospitals, surgeons, and clinical leaders to drive multispecialty adoption. · Guided development and commercialization of the AI DB Core Digital Twin Platform™, enabling surgical planning, guidance, and analytics.

Chairman of the Board — AI Online Developer+ Inc.

Kirkland, WA | 2019–Present · Provide governance across AI platform development, commercialization, and enterprise client delivery. · Manage corporate budgets, financial planning, and operational oversight across multiple business units. · Work closely with legal teams on contracts, IP protection, and regulatory compliance. · Directed creation of a Healthcare AI Services Division delivering clinical AI solutions to enterprise clients. · Oversaw development of AI governance frameworks ensuring ethical, compliant enterprise deployment.

Founder & Chairman of the Board — InterTest.com

Bellevue, WA | 1995–2002 · Built the company into a multimillion-dollar enterprise serving Fortune-level clients. · Negotiated strategic partnerships with Microsoft and Boeing, supplying trained software testers and enterprise training programs. · Managed full corporate budget, financial operations, and long-term planning. · Led development of the company's stock offering, including term sheet creation, equity structure, and investor communications. · Secured multiple six-figure bank loans to support expansion and enterprise delivery capacity. · Authored HR manuals, governance procedures, and corporate operating rules across multiple companies.

EXECUTIVE OPERATING EXPERIENCE

Chief Executive Officer — Global Surgical AI Healthcare (GSAI)

Kirkland, WA | 2025–Present · Architected the AI DB Core Digital Twin Platform™, enabling real-time surgical planning, guidance, and analytics. · Built AI-driven surgical systems integrating computer vision, AR/VR (Apple Vision Pro), and multimodal clinical data pipelines. · Designed enterprise AI database architecture supporting CT, MRI, X-ray, ultrasound, and surgical video workflows. · Defined SaaS + per-procedure monetization models enabling scalable hospital adoption. · Led FDA regulatory strategy, AI governance alignment, and compliance frameworks. · Established early hospital partnerships and

multispecialty clinical expansion strategy. · Collaborated with legal, compliance, and clinical leaders to ensure safe, ethical, and compliant AI deployment.

AI HARDWARE STRATEGY & NEXT-GEN PLATFORM DEVELOPMENT

Led the integration of the new NVIDIA AI PC chip platform into the AI DB Core Digital Twin Platform™, enabling the first generation of real-time, on-device surgical intelligence.

Key Achievements: · Architected the on-device intelligence engine using next-generation NVIDIA chips (Holoscan-class, GR00T-H, Cosmos-H) delivering millisecond-level inference for surgical decision support. · Enabled continuous intra-operative digital twin updates, fusing live imaging, sensor data, robotic feedback, and predictive modeling. · Designed the bidirectional integration model: digital twin <> AI agent <> surgical robot <> imaging pipeline. · Demonstrated closed-loop robotic assistance powered by real-time predictive modeling. · Integrated multimodal fusion (CT/MRI/X-ray + endoscopic video + ultrasound + sensor data) as a native, real-time capability. · Developed the commercialization narrative positioning the chip as the core intelligence layer for next-generation surgical systems. · Integrated with NVIDIA's Rheo hospital-twin framework, enabling OR scheduling, patient flow optimization, and hospital-wide operational intelligence. · Positioned the AI PC chip strategy as a competitive differentiator for hospitals adopting surgical intelligence systems. · Updated the enterprise business plan and platform roadmap to reflect the chip's role in enabling predictive, adaptive, continuously learning surgical systems.

Founder & Chief Executive Officer — InterTest.com

Bellevue, WA | 1995–2002 · Built a high-growth software testing and training company with Microsoft as a strategic client. · Delivered enterprise training programs adopted by Microsoft, Boeing, and other major corporations. · Partnered with Intel to integrate AI training programs into enterprise engineering workflows. · Owned full P&L, operations, sales, marketing, and enterprise delivery. · Led development of a Windows printer testing SDK used by OEM partners. · Worked closely with Microsoft Legal to secure OEM sample files and ensure compliance with licensing and IP requirements. · Secured multi-bank financing to support expansion and workforce development.

Founder — AI Online Developer+ Inc.

Kirkland, WA | 2019–Present · Built and scaled AI platforms across machine learning, NLP, and computer vision. · Delivered enterprise AI training programs for ML Engineering, Data Science, and AI Engineering. · Led commercialization strategy and enterprise client acquisition. · Partnered with legal teams on IP protection and enterprise contracts.

Software Test Manager / Engineer — Microsoft Corporation Redmond, WA | 1990–1995

- Managed one of the broadest cross-group coordination efforts in the Windows 95 printing ecosystem, spanning the Printer Driver Group, Printer Development Team, Microsoft Applications Printer Group, external application testing teams, and OEM partners. · Directed multi-team reporting and alignment, consolidating engineering, applications, and OEM status into executive-level updates for VP Brad Silverberg and Test Manager Lin Shaw.
- Oversaw global OEM compliance (HP, Epson, Canon, Brother, Lexmark), ensuring standards alignment, driver readiness, and rapid integration of updates. · Partnered with the Printer Program Manager on code reviews, TrueType font validation, and end-to-end printing requirements across the Windows ecosystem. · Personally executed critical-path testing during major code shifts to accelerate fixes and maintain engineering velocity. · Provided oversight to Printer Networking testing and contributed to Windows Developer Conference presentations promoting Windows 95 printing technologies.

TECHNICAL EXPERTISE

AI/ML: Machine Learning, Deep Learning, NLP, Computer Vision Cloud: AWS, Azure, Enterprise Cloud Systems Data: AI Databases, Data Lakes, Pipelines, Big Data Architecture Healthcare: EHR Integration, Medical Imaging, Clinical Systems Programming: Python Frameworks: AI Governance, Risk Management, Compliance

EDUCATION

Eastern Washington University — Studied, Management Information Systems — GPA 3.85
Spokane Community College — A.A., Business Administration — GPA 3.85

AWARDS & RECOGNITION

Microsoft Ship It Award - Presented by Bill Gates Awarded for engineering excellence and cross-team impact during Windows 95 development, recognizing contributions to enterprise-grade reliability and OEM ecosystem success.

Top 10 AI Leaders to Follow in 2026 - MSN.com National recognition for leadership in AI-driven healthcare transformation, digital twin systems, and next-generation surgical intelligence platforms.

Certificate of Recognition - Frontier Blaze

2025 Frontier 100s December 19th, 2025. For remarkable contributions, visionary insights, and dedication to excellence in your industry.

TARGET ROLES

Chief AI Officer (CAIO) · Head of AI Strategy & Operations · Healthcare AI Executive CEO /
Founder · Board Director (AI / Healthcare / Technology)