

# BENJAMIN YAN

## Technology & AI Leadership

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ENGINEERING LEADERSHIP · ENTERPRISE AI · PLATFORM STRATEGY · REGULATED DELIVERY

### EXECUTIVE PROFILE

Technology leader with a decade of executive accountability for enterprise platforms, engineering teams, and practical AI at Geneseeq. Built a 30-person organization and led a portfolio of dozens of interconnected systems across six markets. Combines hands-on architecture with investment decisions, delivery discipline, security, and operational adoption. Based in Ottawa, with global experience and an engineering research foundation.

### SELECTED IMPACT

- **Enterprise AI:** Ask-LIMS reached approximately 300 monthly users and 10,000 monthly queries; typical retrieval fell from 1-2 hours to one minute.
- **Workflow automation:** AI-assisted order entry reduced entry time from five minutes to 30 seconds across approximately 60,000 annual orders.
- **Customer platforms:** Supported 100+ contracted hospital customers, 60+ deployments, and roughly 30 external integrations.
- **Operating capacity:** Sustained platform and workflow improvements supported monthly report output growth from 2,000 to 8,000 over six years.

### PROFESSIONAL EXPERIENCE

#### Technology & AI Consultant (Part-time)

Geneseeq Technology

Aug 2026 - Present | Canada / Remote

- **Strategic advisory:** Advise on technology strategy, AI, cloud-platform priorities, security, and modernization in a regulated operating environment.
- **Investment continuity:** Support architecture and investment decisions, connecting platform priorities with delivery continuity and business needs.

#### Founder & AI Product Lead (Part-time)

CodonWorks Technologies Inc.

Aug 2026 - Present | Ottawa / Remote

- **Product leadership:** Lead product direction and technical development of an AI-native software-delivery platform.

#### Senior Director, Information Technology

Geneseeq Technology

Sep 2016 - Jul 2026 | China; Canada & global remit

- **Executive accountability:** Reported to the CEO, directing 50+ initiatives across six markets and an annual technology budget of approximately C\$2 million.
- **Organization building:** Built and led 30 technology professionals, including approximately 25 engineers, 12 direct reports, and six technical leads.
- **Platform portfolio:** Led dozens of interconnected systems spanning LIMS, analysis, ordering, payments, clinical trials, CRM, ERP, and business intelligence.
- **Product investment:** Secured approval for Ask-LIMS and architected its controlled query workflow, working with a two-person team through a two-month build.
- **AI governance:** Integrated read-only identities, row-level security, query validation, and audit trails; tested domain questions with approximately 50 colleagues.
- **Operational AI:** Implemented locally hosted AI-assisted order processing with user review and enterprise workflow integration.
- **Enterprise adoption:** Provisioned an AI assistant for 1,200 colleagues, reaching approximately 500 monthly active users and 10,000 monthly prompts.
- **Internal capability:** Trained approximately 200 colleagues and enabled 60 builders to create 50+ applications across 15 departments.

## Senior Director, Information Technology (continued)

Geneseeq Technology

Sep 2016 - Jul 2026

- **Customer delivery:** Established delivery across headquarters, subsidiaries, and customer-controlled environments, supporting hospital deployments and external integrations.
- **Architecture:** Defined ownership, interface contracts, sequencing, and traceability across a larger internal network of APIs and data synchronization workflows.
- **Build-or-buy judgment:** Made the case for replacing a vendor LIMS; delivered an in-house core platform in eight months with required functionality and prioritized improvements.
- **Engineering quality:** Established CI/CD with approximately 80% branch coverage, weekly core releases, and rapid rollback to support dependable production delivery.
- **Infrastructure:** Led hybrid-cloud and Kubernetes platform decisions across enterprise and customer environments, connecting architecture with security and operating needs.
- **Security leadership:** Led ISO 27001 certification and MLPS Level 3 work, integrating security responsibilities into technology operations.
- **Regulated delivery:** Led the analysis-software workstream in a program that secured FDA 510(k) clearance and personally authored its cybersecurity documentation.
- **Operating efficiency:** Sustained platform, data, workflow, and automation improvements while the clinical-reporting team decreased from 60 to 45 as output expanded.
- **Talent development:** Recruited 60+ technology professionals over the tenure and developed or promoted six technical leads, building internal delivery capability.

## Business Analyst

Avanade

Jun 2015 - Sep 2016 | Canada

- **Systems integration:** Contributed to PRESTO 3.1 integration testing within a large public-transit technology program.
- **Delivery support:** Worked across business analysis and quality assurance to support the assigned integration scope and release readiness.

## QA Engineer

Paysafe

Jan 2014 - Aug 2014 | Gatineau, Canada

- **Test automation:** Expanded automated coverage by approximately 10% and saved five hours per biweekly release.

## Research Assistant, Advanced Aircraft Design Laboratory

Royal Military College of Canada

Apr 2011 - Dec 2012 | Kingston, Canada

- **Engineering research:** Built Python analysis tools for multidisciplinary aircraft-design optimization and authored and presented an AIAA paper in 2012.

## TECHNOLOGY & METHODS

Python, C#, SQL, APIs, Kubernetes, hybrid cloud, CI/CD, LangGraph, locally hosted AI, enterprise integration, access governance, technology roadmaps, portfolio management, and engineering organization development.

## EDUCATION & CREDENTIALS

**Bachelor of Science, Computer Science** | Carleton University, 2015

Computer and Internet Security stream

**Master of Applied Science, Aerospace Engineering** | University of Toronto, 2011

**Bachelor of Applied Science, Engineering Science** | University of Toronto, 2008

Aerospace option

**Project Management Professional (PMP)** | Valid March 2024 - March 2027

**Languages:** English and Mandarin, native written and spoken proficiency