**Hoang Vinh Nguyen**

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Manager Technology Finance / Investments / Compliance / Automation

## Management and Leadership

* Technologist, certified accountant, project manager with 20-plus years of senior management experience in banking and insurance
* Progressive career from analyst to senior appointment at Fortune 50: AIG, PWC, CIBC, SCOTIA, MANULIFE, EXXON
* Mastery in implementing IT disciplines: Technology Strategic planning, Information Systems Management, IT Architecture, Business Process Enablement, IT Control and Audit, Systems Development & Acquisition, IT Governance & Regulation, Program and Project Management
* Proven success in SaaS implementation, process automation, risk, audit for Treasury, Finance, Capital Markets, Life & Retirement, Lending in USA, Canada, Europe, Asia-Pacific and Australia
* Track record in 90+ cross-functional programs and rescuing missions over $50M, 5 streams, 120 FTE, 20 vendors for financial risk, SaaS back & front-office, digital value chain, financial data warehouse, PMO startup, regulatory compliance, new market entry
* 10+ professional designations including CPA, CTP, CISA, PMP with graduate degrees in physics, mathematics, data sciences

## Achievement in Program-Project Management, Governance and Management Consulting

* Delivered $80M 3-year upgrade bankwide financial risk system for $2B reduced Regulatory Capital
* Led 3-year Life initiatives in 15 APAC countries to realize 4 x $70M objectives to manage reserve and develop business
* Incubated a $6M system integration in asset management
* Achieved OSFI certification to get Canadian banking license by designing and implementing SOX, COBIT, ITIL and ISO/IEC controls across 10 areas of IT General Control
* Set up & led PMO for CIBC Financial Risk and AIG APAC
* Successfully rescued 10 high-profile projects of over $10M

## Achievement in Delivering Application Modernization, Data Integration, Automation and Analytics Initiatives

* Mentored migration of trade, bank, ledger data from 15+ legacy applications into SaaS platform for GAAP accounting, risk analytics and compliance monitoring
* Modernized application platform for 7 risk areas over 5 asset classes from internal datawarehouse to Sungard risk system
* Built Investment Book of Record for a Pension Plan manager with investment-centric view of positions for 40 runs hedge-fund strategies (equity long-short, credit long-short, index arbitrage
* Delivered bankwide self-assessment with repository of 200 SOX controls, assessments and testing from 500 key processes

## Achievement in Implementing Risk & Control, Compliance and SOX Auditing

* Led the SOX auditing (methodology and audit findings fully disclosed to external auditors) of ITGC general control, IT dependent and Application Controls for Finance and Investments
* Developed/deployed CIBC platform for automated SOX assessment & assertion of controls across 5 departments (operations, middle office, back office, finance, IT)
* Mentored the design, implementation of controls for 10 areas (IT governance, change, cyber security, etc.) to obtained OSFI certification for a Canadian bank
* Tested and evaluated SOX IT General and IT Dependent controls for NYSE-listed AGNICO-EAGLE; compliance submisson included design, test plan/results, financial process flowcharts

## Competency in Methodology Project Management, Business Analysis, Development and Data Management

* AGILE, SCRUM, PMBOK and gated PMLC methodologies from Scotia, CIBC, AIG, PwC, Sierra Systems
* Project Management PMBOK, Business Analysis BABOK, Data Management DAMA- DMBOK
* Sarbanes-Oxley Act SOX, COSO & COBIT framework, ITIL
* Business Analysis User Story, Workflow, Data Modeling, SIPOC, Process Map, VOP/VOC, Six Sigma DMAIC, UML, Go4
* Architecture 12-Factor AWS & AZURE Microservices design patterns, Zachman framework, Information Engineering
* Outsourcing models, RFQ, RFP, SLA, OLA, service catalogues

## Competency in Technology Cloud Computing, Data-Intensive Applications, Microservices and Machine Learning

* Framework Django, SQLAlchemy, Luigi DAG pipeline
* Library DASK parallel computing, PANDAS, NUMPY. SCIKIT-LEARN, TENSORFLOW, PYTORCH, ASP.NET
* AWS (S3, EC2, EBS, VPC), HDFS, SPARK (Core, SQL, Stream), ETL/ELT, MongoDB, ORACLE, SQL SERVER, NoSQL, Big Data SQL, Rest API, XML, HTML Language Python, R, Javascript, SQL, C++, Java, C
* TDD, CI/CD pipeline GitHub, Jenkins, Travis CI, AZURE DevOps (TFS), Docker, Kubernetes
* BLUEPRISM/PEGA RPA, ERP SAP, CLEARWATER, SIMCORP, SUNGARD, ALGORITHMICS, JD EDWARDS
* Project, Excel, Visio, PowerBI, Tableau, ACL, Cognos

## Professional Qualifications

* Bayesian Statistics (Harvard Ext. Graduate)
* Advanced Python Data Sciences (Harvard Ext. Graduate)
* Executive MBA (Kellogg-HKUST)
* MSc Master of Social Research (Macquarie Australia)
* MSc Statistical Physics (NTH Norway)
* Chartered Professional Accountant (CPA)
* Certified Treasury Professional (CTP)
* Certified Information Systems Auditor (CISA)
* Project Management Professional (PMP), Agile Certified Practitioner (PMI-ACP), Prof. Business Analyst (PMI-PBA)

## SELECTED PROFESSIONAL EXPERIENCES

**MANAGER FINANCIAL CONTROL | AIG** Wilton NYC USA **September 2015 – Present**

* Partnered with business/IT in major financial/investments programs from business case development to execution and internal control design: migration to CLEARWATER investment accounting/risk reporting, SAP-HANA EP, ARIBA, FIELDGLASS, BLUEPRISM/PEGA RPA, APPIAN Treasury Workflow, CI/CD AZURE TFS, SONIC, SAILPOINT, SPLUNK
* Completed a machine learning proof-of-concept for change management, using Microsoft LUIS to learn from evidences of testing, approval and promotion (TFS JSON objects, Emails) to accurately determine compliance on 100% of population
* Developed capabilities for 100% insourcing SOX/MAR auditing including the documentation and testing of controls across 150 applications in Finance, Treasury, Actuarial and Risk. Audit methodology and findings are fully shared with external auditor

**SENIOR CONSULTANT BANKING STRATEGY | EVOQ | LITCOM** Toronto Canada **April 2014 – April 2015**

* Led 3 EVOQ senior business analysts to mentor National Commercial Bank of Jamaica (NCB)’s 6 business units (Product Development, Business & Channel Analysis, Fraud Manager, Operations, IT and Finance) in translating McKinsey’s Merchant Acquiring and Business Cards strategy for NCB into an actionable 5-year IT and products roadmap
* Head Continental Bank of Canada (CBOC) through a 6-month OSFI certification process to obtain the banking license: comprehensively assessed CBOC internal controls using COBIT, PCI-DSS, ITIL, ISO 27001/27002 and SANS; executed 7 compliance initiatives to target IT governance, vendor management, data governance cyber and information security

**DELIVERY MANAGER RETAIL RISK & OPERATIONS | SCOTIA BANK** Toronto Canada **October 2013 – April 2014**

* Retail Loan Platform (RLP): Implemented 12 requests of change in credit origination and shared insurance REST API platform, which required 3 months extension of QAT, involving 3 key lines of business (unsecured retail lending, insurance, finance) and 15 IT team leads (retail loan, insurance, sales, risk, etc.)
* Core Deposits & Payments Non-face-to-Face (NFF): Head 40 team leads from business (Process optimization, retail deposit, call Center, fulfillment/central accounting, data warehouse) and IT/QA&T (Scotia On-line, call Center, AS400, Host mainframe) to redesign the online deposit, customer Non face to Face (NFF) and call center processes

## MANAGER ERP CONTROL & COMPLIANCE | CONTROL SOLUTIONS Toronto Canada May 2013 – October 2013

* Documented and tested AGNICO-EAGLES Finance 80-plus SOX controls for ITGC (Governance, WAN/LAN, virtualization, firewall, Active Directory, database, middleware, security monitoring, application, help desk, change management) plus financial reporting controls in JD Edwards G/L, A/P and A/R, fixed assets, procurement, HR payroll

## MANAGER SIMCORP TREASURY & ACCOUNTING | HOOPP Toronto Canada November 2010 – January 2013

* Led $15M program to support HOOPP Lean/Six Sigma initiatives with 7 concurrent project streams in accounting, equity, private equity and credit products: financial accounting BI and data warehouse; fair value adjustment for swaps (equity, credit default and interest rate), equity basket options; corporate actions workflow for accurate dividends and splits
* Directed 5 project managers and 10 developers using AGILE to implement the user stories for 300 initiatives to transform back office processes; successfully negotiated and prioritized the resulting product backlog then delivered a 20,000 man-hour work stream to integrate the technology with portfolio management, securities trading and risk management

## SENIOR MANAGER PMO BASEL | CIBC Toronto Canada June 2009 – October 2010

* Led 6 work streams (market risk, trading credit risk, operational risk, analytics, data and technology) through 3 phases of the Risk Strategic Initiatives: POC, vendor selection and negotiation. Documented use cases for 50 groups of workflow, consolidated 500 groups of requirements complete with calculation models, data dictionary and business rules
* Developed the work packages and resource costs to lead vendors and IT through the “order-of-magnitude” exercise to analyze the benefits/cost of customization & operation. Negotiated technology capital and non-capital spending to develop the project’s $80M budget. Coordinated 3 rounds of Management review before securing Board’s approval for the funding

## SENIOR CONSULTANT FINTECH | SIERRA SYSTEMS Toronto Canada January 2007 – June 2009

* At CIBC BNY Mellon, led 5 ERP/BI specialists to confirm the solution requirement for 5 business streams (Finance, Treasury, Operations, HR/Payroll, Management). Created enterprise architecture, process flows and capability matrices for SOX reporting. SLA, RFQ, RFP then led the evaluation of proposals from 7 vendors for ERP, data warehouse and BI solutions
* At MANULIFE Derivatives Accounting, led 2 analyst/developer to develop the GAAP "Other Than Temporary Impaired" (OTTI) application to report from mainframe fair value, amortized cost, and unrealized gains/losses with disclosure on the nature of impairments for various fixed-income securities including government issues and private placements

## SENIOR MANAGER PMO FINANCIAL CONTROL | CIBC Toronto Canada January 2005 – December 2006

* Led the “Train the Trainer” and UAT for 4 control streams: financial reporting, operation control, legislative and general entity compliance. Managed the conversion of 4,000 SOX business/IT controls into OpenText Internal Control Repository
* Developed the Tactical Solution to store the assessment (test, deficiencies tracking, remediation) and assertion (exceptions, sign-off) of SOX controls from 200 business unit. This was the prototype for the bank’s final CSA & Internal Control Repository

## GLOBAL EXPERIENCES

**SENIOR CONSULTANT FINANCE | XEG LIMITED** Sydney Australia **October 2000 – December 2004**

* Applied the PMLC methodology to successfully lead 10 analysts and developers to construct in 1 year a comprehensive Australian-based online reporting facility in industrial health and safety for a group of 10 industrials. This enabled these unionized manufacturers to implement their exporting strategy, achieving a 20% increase in income of $7.8M in 2 years

## A. VICE-PRESIDENT MIS | AMERICAN INT. ASSURANCE (AIG) Hong Kong September 1996 – April 2000

* Mentored 120 professionals from 5 countries to successfully launch AIG SUNAMERICA online wealth and brokerage, PHILAMLIFE credit card platform; APAC Customer Care (Call center & CRM, client/product BI); regional SIX SIGMA, re-engineering, workflow automation, and migration of mainframe-based insurance price engine to client-server
* Launched a platform for endowment, group pension in 40 cities in India and Vietnam; set up AS400 data centers in Chennai and Hanoi; directed TCS Chennai and AIDC Guangzhou to customize the Life applications for the new markets
* Set up the regional IT Program Management Office PMO to analyze, select, supervise and report a portfolio of $100M of 100 initiatives in 15 countries. Institutionalized gated PMLC and SDLC, project intake, governance and risk management.

## MANAGER DATA DATABASE FINANCE | AIDC Sydney Australia October 1993 – August 1996

* Implemented a multi-dimensional analytics system financial risk for debt & equity with capability to analyze syndication strategy and credit origination; decommissioned the WANG system for treasury and corporate lending in 2 years

## MANAGER RE-ENGINEERING | PWC-PRICE WATERHOUSE Sydney Australia October 1990 – September 1993

* Designed then implemented a budgeting and roster application for 5,000 unionized staff at 56 branches and 84 service outlets. Configured PEOPLESOFT for HR/Payroll/AR/AP and GL for 15,000 individual accounts statewide
* For WESTPAC delivered a client-server based deal capture and position keeping for money market, currencies and derivatives. Led 5 traders, 20 testers and 7 vendors to UAT of key processes of pricing, trading, settlement and GL posting

## LEADER SYSTEM DEVELOPMENT | NORSK DATA A/S Oslo Norway October 1986 – September 1990

* Led 5 developers to build a library for graphical ad booking and launch Scandinavia’s first commercial ad booking system

## ANALYST EXPLORATION | ESSO NORGE (EXXON) Stavanger Norway September 1984 – September 1986

* Managed database of the North Sea projects financials and the Monte Carlo models of yield volatility of pipelined gas