**Hoang Vinh Nguyen**

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Technology Manager Finance / Investments / Compliance / Automation

## Summary

* 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. Specialized in strategic programs with budget over $50M, multiple vendors, cross-disciplinary for new market entry
* Implementation and Big 4 consulting experiences across key 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
* Delivered over 10 industry-compliant initiatives for Application Modernization, Business Automation, SaaS Implementation, Data Integration, Financial Data Warehouse, Regulatory Compliance, Digital Value Chain anf Analytics in Treasury, Finance, Capital Markets, Life & Retirement, Lending in USA, Canada, Europe, Asia-Pacific and Australia

## Skills | Competencies

## Extensive Experiences in Implementing Governance, Business Analysis, Development and Data Management

* Over 10 years of successively implementing and auditing AGILE, SCRUM, PMBOK and gated PMLC as well as Sarbanes-Oxley Act SOX, COSO & COBIT framework, Six Sigma at Scotia, CIBC, AIG, PwC, Sierra Systems
* Proven success in establishing best practices with Project Management PMBOK, Business Analysis BABOK, Data Management DAMA- DMBOK, Go4, 12-Factor, AWS & AZURE Microservices design patterns, Zachman framework and Information Engineering. Expert with User Story, Workflow, Data Modeling, SIPOC, Process Map, VOP/VOC, DMAIC, UML.

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

* Command of technology frameworks (Django, SQLAlchemy, Luigi DAG pipeline), analytics and data science libraries (PANDAS, NUMPY. SCIKIT-LEARN, TENSORFLOW, PYTORCH), language (Python, R, Javascript, SQL, C++, Java, C)
* In-depth knowledge of data technology, including AWS (S3, EC2, EBS, VPC), HDFS, SPARK (Core, SQL, Stream), ETL/ELT, MongoDB, ORACLE, SQL SERVER, NoSQL, Big Data SQL, Rest API, XML, HTML
* Over 4 years consulting on CI/CD pipeline GitHub, Jenkins, Travis CI, AZURE DevOps (TFS), Docker, Kubernetes plus implementation experiences with RPA, SAP, CLEARWATER, SIMCORP, SUNGARD, ALGORITHMICS, JD EDWARDS
* Expert knowledge of Microsoft Project, Excel, Visio, PowerBI, Tableau, ACL, Cognos

## Certification

* Bayesian Statistics for Data Sciences (Harvard Extension School Graduate Program)
* Advanced Python Programming for Data Sciences (Harvard Extension School Graduate Program)
* Chartered Professional Accountant (CPA Ontario)
* Certified Treasury Professional (CTP)
* Certified Information Systems Auditor (CISA)
* Certified in Risk and Information Systems Control (CRISC)
* Certified Project Management Professional (PMP)
* Certified Agile Practitioner (PMI-ACP)
* Certified Professional Business Analyst (PMI-PBA)

## Education

* Executive Master Business Administration (Northwestern Kellogg-HKUST)
* Master of Science Statistical Physics (NTH Norway)

## EXPERIENCES

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

* Championed AGILE auditing - early, continuous and full population risk assessment – by show casing 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 of application changes
* 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
* Developed capabilities for 100% insourcing SOX/MAR auditing including the documentation and assessment of design and operating effectiveness of controls across 150 applications on AWS, mainframe, EXADATA, ORACLE and SQL Server. Audit methodology and findings are shared with external auditor for their end year audit evaluation

**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
* Directed Continental Bank of Canada (CBOC) MIS through a 6-month OSFI certification process to obtain the banking license: 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**

* Implemented the REST API Retail Loan Platform (RLP) with 12 requests of change in credit origination and shared insurance 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.)
* Led 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 for the Core Deposits & Payments business

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

* Documented and tested the operating effectiveness of AGNICO-EAGLES 80-plus SOX controls for ITGC (Governance, WAN/LAN, virtualization, firewall, 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 funding

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

* At CIBC BNY Mellon, led 5 ERP/BI specialists to consolidate 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 7 vendors proposals 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 for the assessment (test, deficiencies tracking, remediation) and assertion (exceptions, sign-off) of SOX controls from 200 business unit. Converted the prototype into the bank CSA Internal Control Repository

**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

## ASSISTANT VICE-PRESIDENT MIS | AIG Hong Kong September 1996 – April 2000

* Set up the regional IT Program Management Office PMO to lead a 3-year initiative with a portfolio of $100M of 100 initiatives including the successful 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