Nhat-Thanh Nguyen

Senior Cloud Solutions Architect, 6x AWS-Certified Professional, and Ex-AWS Employee
Master of Computer Science and Master of Analytics (Auckland University of Technology)

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LinkedIn: www.linkedin.com/in/nnthanh   ☎**Phone: +64 210633658**   ✉**Email:** nnthanh101@gmail.com

SUMMARY

Purpose-Driven Innovative Senior Cloud/Data/Solutions Engineer/Architect with over 20 years of global experience in cloud/distributed architecture, DevSecOps, and Agile digital transformation. I specialise in Data and AI solutions, focusing on leveraging cloud computing, data analytics, and AI/ML technology. I have a strong track record of delivering innovative, secure, and scalable enterprise business software, and leading agile digital transformation in Japan, the US, and ASEAN. Demonstrated hands-on expertise in developing and delivering scalable, secure, and efficient cloud-based, data-driven solutions across diverse industries, including banking and FSI, aviation, media, real estate, and FMCG.

My educational background includes a Master of Analytics from Auckland University of Technology and a Master of Computer Science from VNUHCM, providing a strong theoretical foundation for cloud, data analytics, and AI/ML. Also, I obtained six AWS certifications during my three years as an ASEAN Senior Solutions Architect at Amazon AWS, including AWS Certified Data Analytics (Specialty), AWS Certified Solutions Architect (Professional), and AWS Certified DevOps Engineer (Professional). I was also a certified cloud-ERP business consultant and integration services professional.

I have excellent engineering skills, strong business acumen, and an entrepreneurial mindset. I am committed to continuous learning and passionate about leveraging Cloud, Data, Analytics, and AI/ML to make impactful changes.

EDUCATION

- Auckland University of Technology (AUT), Auckland, New Zealand
  - **Master of Analytics**, Feb-2023 to Jun-2024 (Level 9)
  - Award: Honours (First Class)
- VNUHCM, University of Science, HCMC, Vietnam
  - **Master of Computer Science**, 1996-1999 (Level 9)
  - Award: 3rd National Prize of Achievement in Science and Technology, Ministry of Science and Technology of Vietnam; together with Professor/PhD Tran Thanh Trai, Professor/PhD Hoang Kiem.

EXPERIENCE

Bluecurrent AU/NZ
September 2024 - Present

Cloud and Infrastructure Engineer

- Multi-Cloud (AWS, Azure) Infrastructure
- Terraform-AWS Infrastructure-as-Code
- Platform SRE/DevOps workflows
- FinOps & Cost Governance
- CloudOps: https://cloudops.oceansoft.io/
- DevOps: https://devops.oceansoft.io/

Auckland University of Technology, Auckland
February 2023 - August 2024

Master of Analytics (Programme code: AK1321; Level: 9)

- Master of Analytics: [Grade] Class Description
  - [A+] STAT995 Dissertation 2004/S1
  - [A] COMP813: Artificial Intelligence
  - [A-] COMP810: Data Warehousing and Big Data
  - [A] STAT803: Official Statistics
  - [A] STAT804: Optimisation and Operations Research
  - [A+] STAT802: Advanced Topics in Analytics
  - [A] COMP809: Data Mining and Machine Learning
  - [A-] MATH803: Mathematical Modelling and Simulation
  - [A-] ENGE817: STEM Research Methods
- https://analytics-experience.pages.dev/docs/data-science/project-roadmap

- https://visual-analytics-3eec79406833.herokuapp.com
- https://data-platform.pages.dev

Amazon Web Services (AWS)

<div align="right">July 2019 - August 2022</div>

ASEAN Senior Solutions Architect

I have been working for AWS since July 2019, at the crossroads of business and technology, and I give prescriptive guidance on how to create business value with AWS technology, across the enterprise segment in Vietnam.

- Technical engagement and project success for enterprise customers across Vietnam, with respect to the transformation of complex business needs and innovative business solutions integrating into cloud computing architecture and AWS solutions, such as cloud migration and modernization, DevOps, and data platforms.
- Through strategic planning and innovative cloud solutions, achieved triple-digit growth in business revenue in Vietnam's enterprise segment, which includes banking & FSI, airlines, media, real estate, and FMCG conglomerates/companies.
- My work involved cloud migration and modernization, as well as the delivery of end-to-end cloud and data-driven solutions, starting with an understanding of business requirements and building solution architectures that align with business objectives, such as cloud infrastructure, DevSecOps, and data platforms (CDP, DataHub, and Data-to-Everything initiatives).
- I provided mentorship and technical leadership to development and operation teams, ensuring compliance with architectural guidelines and mitigating potential risks associated with technology selection and implementation methodologies.
- Build a vibrant developer community in Vietnam with cloud-native builders and developers. Collaborate with AWS regional team members to share cloud journey best practices from NAB (Australia) and Grab (Singapore) with enterprise businesses.
- AWS Certifications: https://www.credly.com/users/nnthanh101
- Workshop: Vietnam Mobile Summit
  - Vietnam Mobile Day 2019: SmartChat: WhatsApp-clone Realtime Offline Serverless Messaging Mobile Web Apps using AWS Amplify & AppSync
  - Vietnam Mobile Day 2022: Building a NFT Marketplace DApp like OpenSea 🌊
- My personal portfolio for Digital Platform and DevSecOps:
  - https://job4u.pages.dev & https://job4u.io

Transcosmos Technologic Arts Co., Ltd, HCMC

<div align="right">3 years</div>

Director of Technology & Business Development

<div align="right">January 2018 - December 2018</div>

I am responsible for driving digital transformation initiatives, orchestrating an ABCD (AI, Blockchain, Cloud, and Data) technology strategy, and providing prescriptive guidance on the success of the Agile Product Development Process.

- I have contributed to the company's growth through a variety of technology-to-business-to-consumer (T2B2C) omni-channels, cloud and data architecture, SCRUM and Agile methodologies, continuous integration and continuous delivery/deployment (CI/CD), and software product development in Japan and ASEAN.
- I developed digital strategies and roadmaps that aligned with the objectives of the organisation. In addition, I worked closely with cross-functional teams to translate business needs into technology solutions while also offering technical leadership and mentorship to the development teams.
- Advanced Technology: Java Spring Boot | Node.js Microservices Backend, React/React-Native/Angular Headless Frontend, AWS-Lambda Serverless, Google Cloud App Engine. Chatbot development (Microsoft Bot Framework, Google DialogFlow), Machine Learning using Scikit-Learn & Tensorflow, Ethereum Blockchain.
- Incubating new technology services: AI-enabled NLU/NLP (English, Japanese, Vietnamese) & Machine Learning Chatbot, AWS and Google Cloud, integrated Digital Marketing and E-commerce DEC (Salesforce, HubSpot, Magento 2, ServiceNow ITSM), Business Workflow BPMN/DMN/CMMN, Enterprise Content ECM.
- Growth Hacking across T2B2C Sales Marketing channels and ABCD Software Product Development across Japan (Transcomos HQ), Singapore (Social Gears), Thailand (Allianz) and Vietnam (Prudential, Generali, Aviva).
- Awards:
  - https://www.facebook.com/photo.php?fbid=1717945541618933&set=a.595717517175080&type=3
  - https://www.facebook.com/photo/?fbid=1716030578477096&set=a.595717517175080
  - https://www.facebook.com/photo/?fbid=1716031525143668&set=a.595717517175080
  - https://www.facebook.com/photo/?fbid=1716030588477095&set=a.595717517175080

Head of Global Solution & Services
<div align="right">January 2016 - December 2017</div>

- Accountable for end-to-end delivery of digital solutions & services from contracting, negotiating, planning and execution, and change management in multi-national companies (insurance, e-commerce, tourism, ...) across ASEAN and Japan, including Digital Marketing Automation, Social Network SNS (Facebook eCommerce, Chatbot), cross-platform mobile apps, Drupal CMS, Magento eCommerce, and Salesforce CRM.
- Develop an overall roadmap, engage in the business planning process, and lead the development and implementation of Solutions & Services; including establishing closed communication with external deals and Transcosmos Group companies, such as www.digitaloperative.com, www.vaimo.com, www.social-gear.jp. I am working with the Marketing, Sales, and Offshore Development Centre to create a blueprint for the digital business.
- Advise senior management on technology innovations, opportunities, and risks to fully integrate IT decision-making into overall business planning. Define key metrics and outcomes for technology that align with business goals.
- Develop and establish operating policies, procedures, and approaches for computing and information technology, and ensure the delivery of all Solutions & Services including R&D, application development, operations, and risk management, on time, quality, and cost.
- Develop proposals to leverage technology and people as competitive advantages and evaluate cost-effective IT solutions available in the marketplace to contribute to the profitability of the organisation. • Digital Marketing: • ECommerce One-Stop

SAI Digital, eTown
<div align="right">October 2014 - October 2015</div>

BU Head, ERP Senior Project Manager & Technical Architecture

- Business Unit Head & Project Management / Technical Architecture: manage the implementation of Cloud ERP for multi-hundred million-dollar investment global manufacturing companies (Sales Distribution, Financial Accounting and Controlling, Materials Management, and Manufacturing Production), including building product position documents, product roadmaps, market requirements definition, use case scenarios, product release management, building user personas; and working with marketing communication on program strategy and sales readiness activities.
- Provide governance for solutions, processes, and application expertise and knowledge from requirements and design to implementation.
- Defines, plans and manages the activities, including, budget, tasks, resources, timeframes, quality, and deliverables.
- Agile and Scrum Coach

FPT Software, Hi-Tech Park
<div align="right">November 2012 - October 2014</div>

Senior Product Manager

- Strong leadership in both IT & Business Alignment; responsible for guiding products throughout the execution cycle, focusing specifically on analysing, positioning, packaging, promoting, and tailoring our solutions to all the markets where FPT-DMS, a collection of enterprise distribution solutions ranging from Mobility (Mobile Sales eMobiz), Cloud Business Gateway, and Business Intelligent (ETL, Analytics), Enterprise Service Bus (ESB) do business.
- Works closely with all members across the company's departments on multiple million-dollar projects and is responsible for providing strong technical leadership across project teams as well as innovation management (ideation, brainstorming).
- Drive Product Development - from Discovery, Define, Design, and Development to Deployment; and with our business partners and consultants to generate profitable revenue streams. Ensures and is accountable for the technical integrity of the system architecture and design, in accordance with the APAC-Regional Enterprise Customer's requirements, such as Unilever, BP & Castrol, Pepsi, etc.
- Agile-Scrum: • Developing a project charter and product vision Agile planning and prioritization techniques • Daily team standup meetings • Frequent delivery and release (with a delivery schedule of 1-2 weeks) • Frequent verification and validation with customers and end-users (e.g. A/B testing) • Continuous Integration (CI) and Continuous Delivery (CD) of processes and products.

Sunflower, HCMC
<div align="right">October 2007 - September 2012</div>

Founder & CTO

- Provides technical architecture recommendations during the proposal writing process and implements e-Business solutions, including ERP/DMS, POS, BI (KPI Dashboard, ETL) for local Enterprise Customers like Sun Group (Ba Na Hills), Mobifone, Phong Phu Corporation, Halo Group, Sundo Group (Savouré F&B), HappyCook, Tatung.

- Assisting in the development of business strategies based on the chosen technology solutions: Solutions for enterprise deals, mobility SOA strategy & roadmap for enterprise customers. Provides guidance on technical architecture during proposal writing, product design, and implementation. E-Business Innovation: unified user experience across channels, customer insight, multi-channel integration, and personalisation of product offerings.
- Outsourcing & Consulting: Pyramid Consulting (e-Commerce, CMS), Data Agent (Financial), ePOS Touch (POS), Mobile World (MWG) JSC (e-Commerce, BI).
- Media: • http://www.slideshare.net/SmartBizVN • http://www.youtube.com/watch?v=qzINyKsL0OI

International IT Services
May 2005 - April 2007

Principal Software Engineer & Senior Project Manager

- Principal Software Engineer & Senior Project Manager of ECEX & ECOF collaboration portal – a part of Oracle Fusion Middleware.
  - Scope of work: migrate a legacy BEA-portal Enterprise Content Management to Oracle Fusion Middleware using international standards like JSR-170, JSR-168-286, JSR-299.
  - Role: Technical Architecture, Senior Project Manager.
  - Tech: J2EE, JBoss Seam, Spring, Struts; JBoss, Liferay, Oracle, JRUN; Collaboration Server: Exchange Server, Lotus Notes.
- Fox-News ECM: Enterprise Content Management (J2EE Portal) development for large multimedia company Fox-News (including www.myfoxny.com, www.myfoxla.com, etc.)
  - Scope of work: analysis, design, and development from the initial stages of conception of Fox News's ECM portal application – successful deployment to 10 US states (including New York, Washington DC, Georgia, Florida, etc.)
  - Role: Technical Architecture, Senior Project Manager (multiple cultures, including French, Israel, Indian, and US), Onsite Bridge Engineer (to Vietnamese & Indian Teams).
  - Technology: JSR-168 Portal, J2EE, Struts, Spring, Hibernate, Oracle.
- Architect for the e-commerce loyalty incentive J2EE/JBoss portal with over 1 million registered end-users.
  - Scope of work (www.myrewards.net): analysis, design, and development from the initial stages of conception; phase 2 (restructure & optimize, advanced features, improve non-functionality such as performance, availability, and security).
  - Role: Technical Architecture, Senior Project Manager
  - Technology: J2EE, EJB3, Struts, JBoss Drools, Oracle/MySQL

Global CyberSoft JSC
January 2000 - February 2005

Senior Software Engineer

- Yokogawa-Sanyo MES (Manufacturing Executive System):
  - Scope of work: Develop and customize the Yokogawa-MES framework & onsite technical solution for Sanyo-Japan's semiconductor factory.
  - Technical Solution: Leader of the Model-Driven Architecture (MDA) team to develop the core Yokogawa-MES framework (capability to generate code & customize MES without programming – using the Application Dictionary), then apply it to Specification Manager, Material Manager, Scheduler & Floor Monitor MES modules.
  - Onsite technical solution at Yokogawa-Hiroshima: propose technical solutions to optimize (architecture, performance) the MES system, as well as integrate with the legacy Sanyo-ERP.
- Pioneer-MES
  - Scope of work: Develop a core framework & technical onsite support for the 1st Plasma Display Production in Pioneer-Japan, including Product Lifecycle Management (Bill of Materials); Scheduler: Scheduling (Production Processes); WIP Status/Traceability.
  - Senior Software Engineer: responsibilities to technical architecture design, develop & onsite technical support for the Yokogawa-MES framework (based on J2EE Blueprint-Struts-Spring-Hibernate framework, DB2 for AS/400).
- Business Management System: Redesign a part of the Fujitsu ERP system, including Financial Accounting, Project Cost Management, Sales Management, and Purchasing for Toyo Kanetsu, Japan using J2EE and Oracle.
- Project Manager & Technical Architect of IBM-Fishkill's APC (Advanced Process Control) restructures and improves IBM-Japan's SPC (Statistical Process Control).

University of Sciences, HCM Open University, Academy of Science & Technology
Jan 1999 – Dec 2000

Lecturer & Researcher

- References: PhD, Professor Trần Thành Trai; PhD, Professor Hoàng Kiếm, University of Sciences
- I received a National Research Fellowship, and the research team won the 3rd national prize for achievement in science and technology from the Ministry of Science and Technology of Vietnam.

EDUCATION

MIT Professional Education
February 2025 - April 2025

Applied Generative AI for Digital Transformation (MIT CEU's 6.4)

Auckland University of Technology
February 2023 - July 2024

Master of Analytics (AK1321, Level 9)

VNUHCM - University of Science
January 1996 - December 1999

Master of Computer Science (Level 9)

HCM Education University
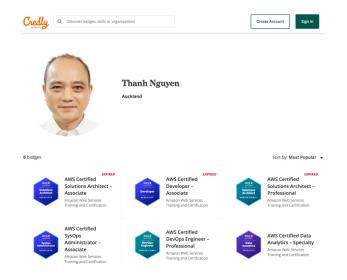January 1992 - August 1996

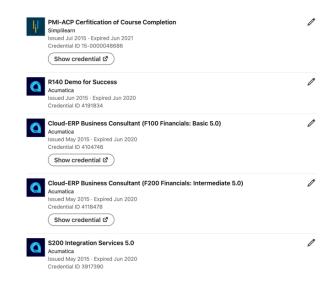Bachelor's Degree in Mathematics, Mathematics

- Activities & Societies: Member of Ministerial-level Research, Head of the Research: Ph.D. Trịnh Công Diệu

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CERTIFICATIONS

Thanh Nguyen

Auckland

6 badges   Sort by: Most Popular ⌄

EXPIRED
AWS Certified Solutions Architect – Associate
Amazon Web Services Training and Certification

EXPIRED
AWS Certified Developer – Associate
Amazon Web Services Training and Certification

EXPIRED
AWS Certified Solutions Architect – Professional
Amazon Web Services Training and Certification

AWS Certified SysOps Administrator – Associate
Amazon Web Services Training and Certification

AWS Certified DevOps Engineer – Professional
Amazon Web Services Training and Certification

AWS Certified Data Analytics – Specialty
Amazon Web Services Training and Certification

PMI-ACP Cerfitication of Course Completion
Simplilearn
Issued Jul 2015 · Expired Jun 2021
Credential ID 15-0000048686
Show credential ⌕

R140 Demo for Success
Acumatica
Issued Jun 2015 · Expired Jun 2020
Credential ID 4191834

Cloud-ERP Business Consultant (F100 Financials: Basic 5.0)
Acumatica
Issued May 2015 · Expired Jun 2020
Credential ID 4104746
Show credential ⌕

Cloud-ERP Business Consultant (F200 Financials: Intermediate 5.0)
Acumatica
Issued May 2015 · Expired Jun 2020
Credential ID 4118478
Show credential ⌕

S200 Integration Services 5.0
Acumatica
Issued May 2015 · Expired Jun 2020
Credential ID 3917390

HONORS

3rd National Prize of Achievement in Science & Technology   October 2000

Ministry of Science & Technology of Vietnam

- I received a National Research Fellowship, and the research team won the 3rd national prize for achievement in science and technology from the Ministry of Science and Technology of Vietnam.

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[emblem]

SOCIALIST REPUBLIC OF VIETNAM
Independence – Freedom - Happiness

MINISTRY OF SCIENCE AND TECHOLOGY AND ENVIRONMENT   FEDERATION OF SCIENTIFIC AND TECHNICAL ASSOCIATIONS OF VIETNAM

AWARDED

CERTIFICATE OF MERIT
to
Nguyễn Nhất Thanh, M.S.; **Đàm Quang Hồng Hải**, Master's degree.
Trần Thành Trai, Associate Professor, PH.D.; **Hoàng Kiếm**, Professor, PH.D. of Science and co-authors
Information Technology Development Centre-National University of Ho Chi Minh City
for having achieved third prize in Scientific and Technological Creativity of Vietnam in 2000.

Hanoi 12 January 2001
PRESIDENT
FEDERATION OF SCIENTIFIC AND TECHNICAL ASSOCIATIONS OF VIETNAM

[stamp of Central Council of Federation of Scientific and Technical Associations of Vietnam]

Vũ Tuyên Hoàng, Professor, PH.D.
[signature]

MINISTER
MINISTRY OF SCIENCE AND TECHNOLOGY AND ENVIRONMENT
[stamp of MINISTRY OF SCIENCE AND TECHNOLOGY AND ENVIRONMENT]

Chu Tuấn Nhạ
[signature]

Decision
Number: 42 QĐ -LHH

Te Kāwanatanga o Aotearoa
New Zealand Government

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CENTRAL EXECUTIVE COMMITTEE
HO CHI MINH COMMUNIST YOUTH UNION

AWARDED

The author: Nguyễn Nhất Thanh, M.S.
Unit: Information Technology Development Centre-
                National University of Ho Chi Minh City
Subject: Information Area

MEDAL
CREATIVE YOUTH

[emblem]   Hanoi 8 February 2001
                For CENTRAL EXECUTIVE COMMITTEE
                HO CHI MINH COMMUNIST YOUTH UNION
                [stamp]

First Secretary

Number: 454 QĐ/TUĐTN   [signature]

                Vũ Trọng Kim

Te Kāwanatanga o Aotearoa
New Zealand Government