

MURATET Christophe, CSP

Summary

Christophe Muratet holds a key strategy, product and marketing role at the Thales Digital Solution, a mission to define and execute Data and AI strategy across a wide range of sectors. Christophe has over 15 years of experience leading teams in identifying, framing, assessing user experience and technology disruptions that support business planning and product roadmap prioritization. He has specialized in helping companies see through the fog of the AI and API/Platform economy, and turn strategy into action.

At Thales North America, he is the Principal Innovation Advisory in the AI and Digital Solution group supporting the firm's digital strategy in the region where he led the transformation of the world's largest organizations in Aerospace, Mobility, Defense and Space. He was instrumental in framing and delivering on the region's digital business acceleration, cloud adoption, startup partnership and education.

Prior to joining North America, Christophe was the glue between engineering, design and product teams in market-leading organizations around the world, including Europe, India, China, South Africa. His works and researches on tacit knowledge management, Platform Economy in B2B and Lean Engineering have been featured in Lean and Agile conferences: MTLconnect 2020, Agile Tour Quebec 2018, LPDE Paris 2017, Digital Objective 2017, Lean Summit Sydney 2016, Agile Tour Hong Kong 2016.

In addition to his experience in Engineering and Innovation management, Christophe is one of the first certified scrum professional, an award-winning technologist and board advisors. He holds a MEng in Computer Systems and Software Engineering from University of Versailles, France; and professional certifications in Platform Strategy for Business from The Boston University, and Knowledge Management & Big Data in Business from The Hong Kong Polytechnic University.

Experience



Co-president, Technology & Innovation

CCI Française au Canada

Dec 2020 - Present (3 months +)

Federator of important players active in the ecosystem, this committee aims to bring together professionals in the field of technology and to support companies in their innovation processes.



Founder & Principal Designer

The Digital School Canva

Mar 2020 - Present (1 year +)

The education system is changing. Established teaching methodologies are reaching their limits in most developed countries. New requirements are needed. In the search for solutions, technology is playing an increasingly prominent role — allowing for new approaches such as the Digital School Canvas.



Ambassador

Technopolys

Feb 2019 - Present (2 years 1 month +)

Technopolys exists to promote the IT industry, focusing on three main areas of intervention: uniting the industry, showcasing the ecosystem and help Quebec's IT industry shine, both here and abroad.

Director, Strategy, Marketing & Product, Augmented Intelligence

Thales

Jan 2020 - Present (1 year 2 months +)

Articulate & lead the creative direction and mid-term business objectives of the AI/ML unit.

Steer direction where the org needs to be in 2 or 3 years and build a multi-year budget considering customer satisfaction and financial viability.

Oversee the flow of AI/ML products & API platforms, from business analysis to monetization and marketing.

Identify & develop digital platform strategy and inbound marketing around ecosystems of partners, from creator side to consumer side and matchmaking.

Design & oversee a set of networked innovation platforms to help customers and partners to interact and take action: a corporate start-up accelerator (AI@CENTECH), a Data Analytics Studio and an UX/ design thinking studio.

Lead & coach a thriving team of UX designers, digital marketers and product managers to be the glue between design, product, user research, and engineering.

Director, Digital Innovation, North America

Thales

Aug 2017 - Present (3 years 7 months +)

Lead Digital Transformation across North America.

Coach & Advise C-suite / executives in the region.

Design & Deploy a coherent set of interdependent processes and capabilities that structure how the company searches for new market spaces and incubates promising cloud projects for business growth.

Develop a network of partners in innovation across the three (3) pillars : technology innovation (academic and research centres), continuous improvement (business lines & units) and business innovation (Mixed Research Units and startup/SME).

Digital Factory, Principal Innovation Advisor, North America

Thales

Dec 2017 - Present (3 years 3 months +)

The Digital Factory is a digital business launchpad leveraging the best of design thinking, lean startup and growth hacking in B2B/G environment. The factory help all customers and partners to thrive in a cloud & API economy. The Canadian site represents an investment of over 20 million Euros.

Board Member, Ecosystem Mobilization

ENCQOR 5G au Québec

Nov 2018 - Nov 2019 (1 year 1 month)

ENCQOR 5G is a transformational Canada-Québec-Ontario partnership focused on research and open innovation in the field of 5G disruptive technologies, on adoption initiatives and system uses.

Head of Design Center, Artificial Intelligence

Thales

Dec 2017 - Feb 2019 (1 year 3 months)

Create the first Thales UX4AI & Design Center in Canada and developing a North America Design Center network.

Promote & lead UX research (quantitative and qualitative) and usability test for AI experience trusted by design.

As a lead strategic designer, help new business ventures to navigate problem space and constraints across feasibility, desirability and viability.

Turn findings into key insights that support UI prototyping, design and product roadmap prioritization.

Coach & Lead the growing Thales UX4AI/Design thinking community.

Set up the partners' ecosystem including leading-edge universities, startups & innovation clusters.



Head of Data Analytics, Hong Kong

Thales

Aug 2015 - Aug 2017 (2 years 1 month)

Keywords: Lean Startup, UX, Design Thinking, Big Data, Business Intelligence, Hadoop, Spark, Elastic, Kibana, D3

Lead a cross-functional and cross-cultural cell of passionate Research & Technology engineers and awesome data scientists turning data into impactful products for our Transport customers & partners.

Develop and maintain technology research & development while collecting technology intelligence throughout ecosystems of partners, from academies to startup and customers' networks.

Ensure research and technology plans are effectively aligned with both the strategic product portfolio and company's business plan.

Distribute technology & market intelligence to target audiences such as steering committees and innovation conventions.

Serve as a consultant and advisor to CEO and Engineering program managers on advanced technologies (open-source, cloud-based, machine learning, predictive analytic, etc) and business impact (cost/benefit trade-offs).

Develop proofs of concept (MVP) to test the feasibility of the technologies for near-term product development.

Support worldwide group's technology portfolio, including Big Data product suite for Data Analytics, Business Intelligence, Video Analysis, Crowd Management, Environmental protection.

Implement and support technology infrastructure, including development / production environments

Act as "challenger of the status quo" in most conservative product or business lines.



Head of Engineering, Mobility

Thales

Mar 2012 - Aug 2017 (5 years 6 months)

Process: V-cycle, CMMI, Configuration Control

Agile: XP/Scrum/LeSS, Lean Engineering, Kanban, DevOps

Tools: SVN, GiT, Atlassian Jira, DOORS, RMsis, Jenkins, Sonar, Artifactory, Nexus, VMware ESxi/vsphere, Puppet, Nagios

Lead Engineering Office / DevOps team in promoting the 3 ways: Flow (Agile/Lean), Feedback (Continuous Integration pipeline), and Continuous Improvement (Kata/Dojo)

Define, Provide and Maintain Engineering Environment (E2) tool framework and support end users

Responsible for supporting, articulating/educating and reinforcing Thales Groups processes, practices and programs;
Support the VP, Engineering in aligning with the Thales Engineering environment and IT/IS guidelines while drawing on Country and Corporate network to influence the engineering direction to include state-of-the-art engineering tools and facilities;
Facilitate the Lean/Agile transformation: train, coach and coordinate Agile consultants
Manage the optimal implementation of DDQS for Software Engineering, consults with the CPO, and develop local referentials as required;
Identify and implement metrics/KPI collection for Engineering work; provides periodic reports;
Contribute to the preparation of the Engineering Department operating and capital budgets;
Train and coach Engineering population: Jira, GiT, Kanban, Agile, DDQS process



Head of Software, Mobility

Thales

Mar 2012 - Aug 2016 (4 years 6 months)

Programming language: C++, .Net, Java/Spring, Angular.js, Python, shell scripting

(RT)OS: Windows XP/7/CE/Embedded, Linux RedHat/Ubuntu/Centos, VxWorks

Tools : DOORS, SVN, GiT, Atlassian Jira, Jenkins, Sonar, Artifactory, Nexus

Practices: Dojo, Kata, A3, Agile, Kanban, Continuous Integration, Peer Programming, Huddle meeting

Lead the Software Team in Feature-centric and Near Real Time Embedded Environment;
Responsible for managing and controlling the following for the Software Team: product quality and integrity, for the quality of technical documentation, for technical reviews, for adherence to the company and department technical standards, processes and policies;
Develop the forecasting, levelling and utilization plan for the Software Team and contributes directly to the overall Engineering Resource Plan to ensure all captures, bids, programs and R&D initiatives are effectively staffed;
Contribute to the preparation of the Engineering Department operating and capital budgets;
Accountable for the Product Management of the core components and reusability strategy;
Accountable for the Engineering Work Packages and Project Performance within the positions perimeter, monitoring and assessing all Software Engineering work and taking corrective action where required;
Develop and oversees the development of engineering estimates for bids and proposals;
Accountable for building for, and maximizing reuse of software, hardware and documentation, people, knowledge, methods and tools across software related projects, with the ultimate goal of minimizing development costs associated with the projects within this position perimeter;
Coach Agile values as Scrum Master on Scrum and LeSS teams;
Lead Talent Development & Performance Management: Identify and eliminate skills gaps within the Software Team;
Liaise as the Software Engineering Team interface with Project Management, Operations, Quality, Procurement, IT/IS, HR, Legal & Contracts, etc;



Customer Service Manager, Air Mobility, South Africa

Thales

Nov 2010 - Mar 2012 (1 year 5 months)

Customer service management for AIM and ATC programs nationwide (ANAIS, AERMAC, SAAATS)

Offshore coordinator with Project and Bid manager/s (France, Australia)

ATNS Customer management: warranty period closure, capture leader

Lead external CCB Change Control Board
Support technical maintenance: operational roll out, release validation, defect/s investigation, spare management
Train ATNS employee/s to ATC system/s, ATNS: Air Traffic and Navigation Services of South Africa

Offshore Engineering Manager, Air Mobility, India

Thales

May 2009 - Nov 2010 (1 year 7 months)

Technologies : ADA, C++, g++, DOORS/TREK, CVS, fbi, Airspace, Wingate

Pilot the Thales ATM's System Engineering team in Thales India offshore production center
Coordinate the offshore production against WPO and KPI
Train and coach offshore engineers to discipline technologies and working standards, and domain products along full lifecycle
Ensure that all aspects of an operation or process meet specified quality regulations
Implement specific local process and performance plan to set a positive ROI
Install and maintain of the local IT and domain EE platforms
Manage requirement elicitation and consolidation (off/shore) and change control board
Contribute to EFX Engineering Factory deployment in India

Lead Architect & SW Engineer, UI & Flight Plan

Thales

Nov 2006 - May 2009 (2 years 7 months)

Technologies : ADA, C++, g++, DOORS/TREK, CVS, fbi, Airspace, Wingate

Software Engineering design/coding/test within distributed software centric system/s
Component/s: HMI, FDP
Conception/implementation of software feature/s (evolutive lifecycle)
Integration and validation of the evolutions in the whole ATC system (up to demonstration)
Software defect analysis and correction (incl. co-engineering lvvQ smoke test)
Redaction of the software documentation artifacts: SRS, SDD, STDR
Review of subcontractor system and software documentation
Requirement management in IBM Rational DOORS
Change control: SCM/CVS and CCT/Gaia

Software technical leader on distributed architecture Air Traffic Control systems (Coopans, Fresh,..)
Lead Software work package and its individual contributors
Maintain Key Program Indicator/s
Coordinate and release delivery pack/s
Report to Segment/Program manager
Participate to CCB Change Control Board
On site support

Software Engineer, Airborne Datalink

Thales

Nov 2004 - Nov 2006 (2 years 1 month)

Technologies : L11, L16, C++, STL, VisualSafe, Rogue

Software engineering on embedded systems: Awacs (Airbone Warning and Control System) and SAMP/T
Conception/implementation of software feature/s (V lifecycle)
Integration and validation of the evolutions in the whole ATC system (up to demonstration)
Refactoring / OSS porting of the software baseline
Redaction of the software documentation artifacts: SRS, SDD, STDR
Requirement management in IBM Rational DOORS
Change control: SCM/VisualSafe and CCT/Excel

Education



Boston University

QD505x: Platform Strategy for Business
2018 - 2018



The Hong Kong Polytechnic University

ISE101x: Knowledge Management and Big Data in Business, Big Data



UVSQ Université de Versailles Saint-Quentin-en-Yvelines

Master of Engineering (MEng), Computer Systems and Software Engineering
2004 - 2006



Université Paris-Est Marne-la-Vallée

Bachelor of Engineering (BEng), Computer Systems and Networking
2000 - 2004

Licenses & Certifications



CSP - Certified Scrum Professional - Scrum Alliance



Certified LeSS Practitioner - Odd-e



CSM - Certified Scrum Master - Scrum Alliance



CSPO - Certified Scrum Product Owner - Scrum Alliance



Agile Developer Methodologies - Odd-e



VMware vSphere: Install, Configure, Manage V6 - Kenfil Hong Kong Limited

 **edX Verified Certificate for Knowledge Management and Big Data in Business -**
edX

 **Elasticsearch developer - Elastic**
23074

 **Lean Engineering Professional - Thales**
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 **Customer Value Modeler - LeveragePoint Innovations**

 **Value Based Pricing - Thales**

Skills

Agile Methodologies • Engineering • Product Management • Artificial Intelligence (AI) • Design •
Cross-cultural Teams • Business Strategy • Change Management • Lean Management • Product
Marketing