



Yejia Tong

SENIOR SOLUTION ARCHITECT IN DELIVERY

Profile

Enthusiastic, outcome-focused technology professional with a consistent track record of delivering enterprise-scale, cloud-native platforms across Public Sector, Oil & Gas, Utilities, Telecom, and Cloud Services.

Currently serving as Chief Solution Architect (CSA) at the program level, I lead the development and delivery of the organization's next-generation, domain-driven, cloud native microservices platform that drives the organization's digital transformation and regulatory modernization.

My career has taken me across the full spectrum of software development and delivery. I've supported multi-disciplinary Agile teams, developed tailored delivery methodology — from structured outputs to predictable outcomes — and led complex digital transformations at scale. I specialize in bridging business and technical domains to architect scalable and reliable solutions, while fostering engineering excellence, operational consistency, and team empowerment.

Latest Open-Source Projects

- **@ttgca/custom-ai-code-analyzer**
(<https://www.npmjs.com/package/@ttgca/custom-ai-code-analyzer>)
Portable, GPT-powered static code analyzer for CI/CD pipelines and local environments. Enables rule-based code evaluation and improvement using natural language inputs.
- **VS Code Custom AI SE Assistant**
(<https://marketplace.visualstudio.com/items/TheTongGroup.vs-code-custom-ai-se-assistant>)
VS Code extension for AI-driven code review and enhancement, leveraging the above library. Features include Markdown-rendered output, rule customization, and GitHub/Azure DevOps integration.

Highlights

- **Leadership & Strategy**
 - Provided technical leadership to multi-disciplinary Agile teams in delivering cloud-native microservices and digital transformation programs;
 - Spearheaded end-to-end architecture and delivery for the organization's flagship regulatory platform, aligning technical execution with business objectives;
 - Supported recruitment and mentoring of technical team members;
 - Developed custom Delivery methodology tailored to team engineering maturity, enabling evolutionary design and delivery aligned with Agile framework.
- **Technical Expertise**
 - Extensive experience across SDLC, DevOps, and modern cloud ecosystems including Azure, AWS, and VMware;
 - Architected solutions for IoT analytics, regulatory systems, and infrastructure-as-code (IaC/CaC) solutions;

Details

Calgary, AB, Canada

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Links

[Personal Website](#)

[LinkedIn](#)

Skills

Microsoft Technology Stack

Agile Software Development

Cloud Technologies

Solution Architecture

Business Architecture

Technical Leadership

Microservices

Etc.

Certifications

Certified SAFe® 6 Architect

Certified SAFe® 6 Agilist

TOGAF® 9 Certified

TOGAF® Enterprise
Architecture Practitioner

TOGAF® Framework Agile
Specialist

DevOps Foundation®

ITIL® 4 Foundation

ITIL® 4 Specialist: Monitor,
Support and Fulfil

Fujitsu MacroScope®

Certified Scrum Master

Microsoft Certified AI
Fundamentals

Microsoft Certified Azure
Associate

- Skilled in C#, .NET, Node.js, React, REST/GraphQL APIs, Micro-Frontends, relational/NoSQL databases, Docker, Kubernetes, and enterprise COTS integration.
- **Methodologies & Frameworks**
 - Certified Scrum Master with delivery experience across Agile, SAFe®, and Continuous Delivery;
 - Applied TOGAF® principles for architecture assurance, and ITIL® for operations and change management;
 - Licensed Fujitsu MacroScope® consultant with a strong foundation in IT consulting.

VMware Certified Associate & Professional

Oracle Certified SQL Expert & PL/SQL Developer

(IBM) Artificial Intelligence Fundamentals

Others.

Employment History

Senior Solution Architect (Delivery) | Alberta Energy Regulator, Calgary, AB

NOVEMBER 2021 — PRESENT

- Chief Solution Architect (CSA) for OneStop 2.0, AER's next-generation regulatory platform built on scalable, cloud-native microservices; (Demo & Overview: <https://www.youtube.com/watch?v=JALTKnmdeCc>)
- Leading the digital modernization program for AER's Regulations and Compliance Enforcement branch, transforming regulatory compliance business processes into modern, digital form;
- Successfully migrated Water Act regulatory business processes from legacy systems to the flagship OneStop platform, enabling co-regulation with the Government of Alberta (GOA/AEP); (Overview: <https://www.aer.ca/applications-and-notices/onestop/water-licence-application-processing-onestop>)
- Oversaw architectural design, end-to-end product delivery, and system quality attributes (-ilities) for the Digital Regulatory Platform;
- Provided technical leadership to **four** Agile delivery teams spanning Business, Data, GIS, DevOps, and Solution Architecture disciplines;
- Designed and implemented a tailored Delivery Methodology across teams, improving delivery predictability and outcomes;
- Previously supported the existing OneStop platform, delivering solution designs for production support and ongoing digital capability expansion.

Sr. Developer Analyst (Cloud DevOps Engineer) | TELUS Communication / TELUS International, Calgary, AB

APRIL 2019 — NOVEMBER 2021

- Highest TECH. escalation tier (Tier-4) where any technical matters end;
- Member of the core technical team supporting TELUS' nation-wide public/private cloud infrastructure and software-defined data centers;
- Led the DevOps transformation for a direct 20-member sysadmin group, enabling DevOps toolchain adoption across 80+ system engineers nationwide;
- Designed and implemented CI/CD pipelines and IaC/CaC systems using GitLab, Ansible, Kubernetes, and VMware—targeting the support over 1,000+ managed cloud **endpoints**;

- Built an internal IaaS monitoring dashboard (SRE Tool) using ASP.NET Core and VMware APIs, improving visibility into cloud infrastructure capacity management and SLA compliance;
- Led technical workshops to facilitate the adoption of DevOps practices across nation-wide infrastructure teams.

Technical Consultant (System & Operations) | Fujitsu Canada / Petrinex, Calgary, AB

FEBRUARY 2017 — APRIL 2019

- Key technical member of the Petrinex on-site consultant team supporting Volumetrics Accounting and Royalty Calculation of Canada's petroleum industry and multiple provincial jurisdictions;
- Designed and delivered a modern Internal Operations Dashboard, replacing legacy on-prem system with a web-based application — enabling 24/7 operations across remote teams;
- Led the Petrinex's Public Data Initiative (<https://www.petrinex.ca/PD>), expanding service coverage from Alberta to Saskatchewan, British Columbia, and Manitoba;
- Contributed to the successful migration of Petrinex platform (<https://www.petrinex.gov.ab.ca/App>) to cloud infrastructure, aligning with the Government of Alberta's IT modernization roadmap;
- Assisted the System Architect (Manager), ensuring an excellent 95%+ request fulfillment SLA, and continuing to improve overall system quality attributes.

Earlier Experience

Full Stack Software Developer | Utilismart Corporation, London, ON

AUGUST 2015 — FEBRUARY 2017

Led the in-house DEV team concerning software design, implementation, and operations for the company's SaaS Smart Metering Platform, serving small to medium utility companies across North America. Oversaw full-stack development activities.

Software Developer | Essex Energy, Windsor, ON

MAY 2013 — AUGUST 2015

Gained increasing exposure across the full software development lifecycle, including frontend and backend development, database design, and production support. Contributed to multiple projects enhancing the company's SaaS Meter Management Platform and Data Analytics tools.

(Additional experience and skill details available upon request or via LinkedIn.)

Education

MBA, Haskayne School of Business, Calgary, AB

SEPTEMBER 2017 — MAY 2021

Specialized in Project Management

Bachelor of Science, Dalhousie University, Halifax, NS

JANUARY 2010 — MAY 2013

Computer Science