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CERTIFIED ENTERPRISE ARCHITECTURE, SYSTEMS INTEGRATION AND TECHNOLOGY GOVERNANCE LEADER™

CEA™

Fully Accredited By:

Chartered Institute of Professional Certifications

CPD Certification Service

CEA™
CERTIFIED ENTERPRISE ARCHITECTURE, SYSTEMS INTEGRATION AND TECHNOLOGY GOVERNANCE LEADER™



PROGRAM OVERVIEW

Fragmented enterprise architectures and disconnected systems drive up operating costs, delay critical projects, and stall business growth. According to **MuleSoft's 2026 Connectivity Benchmark Report, only 27% of enterprise applications are connected on average**, exposing costly integration gaps across the enterprise.

This certified program is designed to equip IT and enterprise architecture leaders with the comprehensive knowledge and practical capabilities to architect, integrate, and govern complex enterprise technology environments. Throughout the program, you will explore essential disciplines including **enterprise architecture frameworks, business capability mapping, application portfolio rationalization, target-state architecture design, and strategic technology roadmaps**. You will also master enterprise **systems integration methodologies, API-led connectivity, middleware architecture, event-driven integration, and interoperability across legacy, cloud, and hybrid environments**. Through practical frameworks and real-world applications, you will build the expertise to eliminate technology silos, modernize enterprise infrastructure, and establish scalable, resilient architecture ecosystems that keep pace with evolving business requirements.

ACCREDITATIONS

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PROGRAM OVERVIEW

Additionally, the program examines advanced technology governance strategies, including **architecture governance frameworks, technology investment oversight, IT risk management, cybersecurity alignment, and regulatory compliance**. You will learn to establish effective architecture review boards, enforce enterprise-wide technology standards, evaluate architectural trade-offs, and implement governance mechanisms that strengthen accountability and strategic alignment. Special emphasis is placed on managing **architectural complexity, governing cloud and AI adoption, optimizing technology portfolios, and leading large-scale integration and modernization initiatives**. By the end of this program, you will command the strategic and technical leadership capabilities to drive enterprise-wide technology transformation with confidence and precision.

Upon successful completion, you will earn the **Certified Enterprise Architecture, Systems Integration and Technology Governance Leader** credential. This distinguished certification validates your expertise in architecture-led modernization, enterprise integration, and strategic technology governance, positioning you as a trusted leader ready to steer complex transformation initiatives, optimize technology investments, strengthen organizational resilience, and deliver sustainable business outcomes.

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KEY SKILLS YOU WILL GAIN

From This Program



ENTERPRISE ARCHITECTURE STRATEGY
BUSINESS–IT STRATEGIC ALIGNMENT
BUSINESS CAPABILITY MODELLING
TOGAF & ARCHIMATE APPLICATION

ARCHITECTURE GOVERNANCE DESIGN
ARCHITECTURE DECISION RIGHTS
TECHNOLOGY INVESTMENT PRIORITIZATION
APPLICATION PORTFOLIO RATIONALIZATION

TECHNICAL DEBT OPTIMIZATION
ENTERPRISE SYSTEMS INTEGRATION
API LIFECYCLE GOVERNANCE
MICROSERVICES ARCHITECTURE DESIGN

EVENT-DRIVEN INTEGRATION
LEGACY MODERNIZATION STRATEGY
TECHNOLOGY TRANSFORMATION ROADMAPPING
HYBRID CLOUD ARCHITECTURE
CLOUD WORKLOAD OPTIMIZATION

ENTERPRISE DATA GOVERNANCE
AI READINESS ASSESSMENT

YOUR FACULTY DIRECTOR



Harshender Singh Chhabra

Enterprise Architecture, Systems Integration and AI Transformation Expert | Board advisor

With over **28 years of extensive experience in enterprise architecture, systems integration, and technology transformation**, Harshender Singh Chhabra is a distinguished technology leader and strategic advisor to CIOs, CTOs, and senior executives across global enterprises. Currently serving as AI Transformation Leader and Enterprise Architect at Cognizant, he **drives enterprise-wide modernization, AI adoption, and technology governance across Australia and New Zealand**.

Harshender has held senior architecture leadership roles at Cognizant and IBM, **contributing to over US$350 million in successful enterprise transformation deals**. His international experience spans Australia, the United States, the United Kingdom, Europe, and India, including major engagements with VISA and Aetna Healthcare. His expertise encompasses **enterprise architecture governance, API-led integration, legacy modernization, and operational resilience**. At the forefront of enterprise AI transformation, he specializes in **agentic AI governance, AI-ready architectures, and intelligent automation**, with practical knowledge of ISO/IEC 42001 and the NIST AI Risk Management Framework.

OUR PARTICIPANTS

Over 70% of FORTUNE 500 Companies Have Attended Our Accredited Programs Before























PROGRAM AGENDA

MODULE 1 - THE ENTERPRISE ARCHITECTURE DISCIPLINE — ORIGINS, MANDATE AND THE ARCHITECT'S CHANGING ROLE

- Where the discipline came from and why?
- Where enterprise architecture sits in the organization?
- Why the mandate has become more pivotal in the AI era?
- The changing role and the career ladder
- The four architecture domains and the discipline's persistent failure modes

MODULE 2 - FRAMEWORKS, STANDARDS AND THE ARCHITECTURE GOVERNANCE STACK

- TOGAF® and the ADM, ArchiMate®, Zachman
- The governance stack and where architecture decisions actually get made
- Designing decision rights
- The architecture operating model

MODULE 3 - BUSINESS ARCHITECTURE, STRATEGIC ALIGNMENT AND THE EA VALUE CHAIN

- The EA value chain end to end
- Business capability modelling and value stream mapping
- Capability heat-mapping
- Translating strategy into a funded investment case

MODULE 4 - APPLICATION PORTFOLIO RATIONALISATION AND THE ECONOMICS OF TECHNICAL DEBT

- Application portfolio management
- The 6R decision tree
- Making technical debt visible and financial
- How AI changes the rationalisation calculus
- Feeding the investment cycle

MODULE 5 - SYSTEMS INTEGRATION ARCHITECTURE, INTEROPERABILITY AND INTEGRATION GOVERNANCE

- The evolution of integration
- Canonical data models versus bounded-context domain models
- Integration governance
- The integration estate as the agent surface
- The integration operating model and platform decision



PROGRAM AGENDA

MODULE 6 - APIS, MICROSERVICES AND EVENT-DRIVEN ARCHITECTURE IN PRACTICE

- API strategy and lifecycle
- Microservices done honestly
- Event-driven patterns
- Contract governance in distributed systems

MODULE 7 - LEGACY MODERNISATION, MIGRATION PATTERNS AND TRANSFORMATION SEQUENCING

- Coexistence and cutover patterns
- Data migration as the underestimated critical path
- Build versus buy for regulated core platforms
- AI-assisted legacy modernization, assessed honestly
- Sequencing a multi-year programme into value increments

MODULE 8 - DATA ARCHITECTURE, INFORMATION GOVERNANCE AND THE AI-READY ENTERPRISE

- Data architecture patterns
- Information governance foundations
- Data residency, sovereignty and classification as architectural constraints
- What "AI-ready" actually requires

MODULE 9 - CLOUD, HYBRID AND INFRASTRUCTURE ARCHITECTURE

- The cloud operating model
- Hybrid and multi-cloud in practice
- Compute paradigms and platform architecture
- Infrastructure for AI workloads
- Cost and exit as architecture quality attributes

MODULE 10 - SECURITY ARCHITECTURE, ZERO TRUST AND OPERATIONAL RESILIENCE

- Security-by-design and threat modelling (STRIDE)
- Identity as the foundation
- Zero Trust in practice
- AI as attack surface and as defence
- Operational resilience

MODULE 11 - TECHNOLOGY GOVERNANCE, ARCHITECTURE ASSURANCE AND VALUE REALIZATION

- COBIT® 2019 and ISO/IEC 38500
- Architecture assurance in practice
- The Value Realisation Framework
- Architecture metrics and reporting



PROGRAM AGENDA

MODULE 12 - AI AND AGENTIC AI GOVERNANCE FOR THE ENTERPRISE ARCHITECT

- Architecture patterns for AI
- ISO/IEC 42001, the NIST AI Risk Management Framework and EU AI Act risk tiers
- The AI governance body
- Governing autonomy

MODULE 13 - ARCHITECTURE LEADERSHIP, OPERATING MODEL AND THE BOARD CONVERSATION

- Building and positioning the architecture function
- Demonstrating the value of the architecture function itself
- Influence without authority
- Communicating to executives

EXAMINATION

YOUR CHARTER DESIGNATION



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By the vested power in the Board of Governors of Chartered Institute of Professional Certifications, the Advisory Board, Faculty and Curriculum Committee, do hereby certify

Juliana Silva

Has Been Conferred the Designation of

Certified Enterprise Architecture, Systems Integration and Technology Governance Leader™

CEA™

Has satisfied all the examination and experience requirements, and is duly admitted and licensed to use this charter, board certificate, and membership credentials

And has committed to abide by the membership declaration of ethics, rules of professional conduct and continuing education requirements as a member of Chartered Institute of Professional Certifications

Chair of the Board

CEA

Director

Chartered Institute of Professional Certifications' programs are unique as they provide you with professional charter designations and marks that can be used across your lifetime once you have completed our programs.

Upon successfully completing the program and passing the Chartered exam, you will be awarded the **Certified Enterprise Architecture, Systems Integration and Technology Governance Leader (CEA™)** designation—ready to showcase on your resume, CV, and professional profiles. This industry-recognized certification carries **lifelong validity**, a lasting testament to your expertise.

Globally recognized, this certification validates your ability to lead enterprise architecture modernization, strengthen integration governance and evaluate technology investments against business objectives. It enhances your professional credibility, demonstrates your ability to align complex technology ecosystems with business objectives, and positions you for greater leadership accountable for technology governance. Developed by the **Chartered Institute of Professional Certifications**, the program content is independently accredited by the **CPD Certification Service** as meeting the highest standards of continuing professional principles.

ABOUT US

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Chartered Institute of Professional Certifications

All of Chartered Institute of Professional Certifications programs are fully accredited programs. The professional charters and designations are trademarked credentials that can only be used by professionals who have completed and passed our accredited program. It is also independently accredited by CPD as adhering to the highest standards of continuing professional principles.



OUR FACULTY DIRECTORS

We Collaborate With Instructors From Renowned Institutions

HARVARD UNIVERSITY

Wharton University of Pennsylvania

Stanford University

UNIVERSITY OF MICHIGAN

LSE THE LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

Columbia Business School

London Business School



CONTACT US TODAY

We Thank You for Your Ongoing Support of Our Programs

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