Software/Application Architect Certification

Why the certification is relevant

In the world of technology, a Software/Application Architect plays an important role in the design and analysis of software projects. They create new applications or improve existing applications, run software tests, develop product prototypes and create technical documents and manuals relating to application development. They also evaluate application technologies and make recommendations for best practices and uses for the organisation. In addition, Software/Application Architects is often involved in training other team members in areas of programming and software development.

Focus of the Software/Application Architect

The Software/Application Architect Program has been structured to build on the existing capabilities of the practitioner, and to infuse a new way of thinking, working and modelling. It combines a mix of information architecture skills (e.g. application taxonomy, ontology, and artefacts such as application maps, matrices and models) with enterprise architecture to enable technology architecture and modelling disciplines to be managed effectively by the practitioner. The Software/Application Architect Program can be integrated into any relevant organisation. It does so by adding the following theory, practice and modelling capabilities.

Theories Practitioners will learn

- Application design
- Identify software and technology requirements
- Focus on application pain points and bottlenecks
- Focus on solution development, build, configuration and testing
- Develop application standards

What Practitioners will work with in Practice

- Work with business and IT owners/executives
- Define software standardisation and integration
- Define application components and modules
- Define information objects
- Define application functions, tasks and services

Modelling capabilities Practitioners will gain

- Develop Application Forces & Drivers Map
- Develop Application Requirements Map
- Develop Application Functions Map
- Develop Information Objects Map
- Develop Application Map

Enterprise Standards used

OMG (software standards):
- BPMN – Business Process Modelling Notations
- CMMN – Case Management Modelling Notation
- UML – Unified Modelling Language

LEADing Practice (Enterprise Standards):
- Emerging & Disruptive Application Trends & Forces
- Application Ontology
- Application Taxonomy
- Application Classification & Categorisation
- Application Artefacts
- Application Architecture Modelling
- Application Lifecycle
- Application Meta Model

ISO 42010 Systems & Software Engineering
Zachman Framework (Interrogatives)
ITIL 3 (IT delivery concept)
COBIT (Governance)