GEMRAIN CONSULTING

SOLUTION ARCHITECTURE

Duration: 4 days; Instructor-led

COURSE DESCRIPTION

The Solution Architect is an expert in many categories. They have hands-on experience in multiple industries and across several disciplines.

The have mastered a variety of hardware platforms including mainframes, distributed platforms, desktops, and mobile devices. They also posses skill and understanding of a variety of operating systems. A broad and deep understanding of databases is also required. Solution Architects decide which technologies to use and work very closely with developers to ensure proper implementation. They are the link between the needs of the organization and the developers and communications expert to stakeholders.

The Iasa Solution Architecture training develops an architect's skills to effectively function as a project delivery architect for midsize to large projects using common techniques and procedures.

AUDIENCE

- Presales Consultant.
- Solution Specialists.
- Solution Consultant.
- Team Leader.
- Strategy Consultant.
- Corporate Strategist.
- IT Managers.
- IT Directors.
- Associate Solution Architect.
- Junior Solution Architect.
- Technical Decision Manager.
- IT Management.

PREREQUISITES

- Certified Information Technology Architect Foundation (CITA-F).
- Iasa Associate – Business Technology Strategy (BTS).

KEY BENEFITS

- To prepare architects to function effectively as project delivery architects using common techniques and procedures.
- To develop solution architecture for midsize to large projects.
- To understand the 4 primary aspects of solution architecture and work with critical stakeholders to deliver them.
- To function within the team throughout project life cycles to ensure appropriate technology strategy delivery.
- To deliver solutions regularly based on sound value management techniques.
- To manage stakeholders and key team members expectations and communications strategy.

KEY CONTENT

Module 1: Solution Architecture
- Defining solution architecture role.
- Workshop 1: Solution Architect Primary Role.
- Connected Architect Organization.
- Workshop 2: Enterprise Architect Organization

Module 2: Business Architecture
- Business canvas and strategy map model.
- Workshop 3: Business motivation.
- Business cost justification.
- Business process description.
- Capability model.
- Workshop 4: business capability and process model.
- Benefits dependency network.
- Workshop 4: Benefits dependency models.

Module 3: Describing the Solution
- Solution architecture description.
- View and viewpoint.
- Workshop 6: Solution Architecture view.
- Architecture perspectives.
- Architecture analysis.
- Architecture review board process.

Module 4: Information Architecture
- Information and data architecture.
- Strategic elements of data architecture.
- Properties of value and longevity of data.
- Workshop 7: Analyze the Value of Information.
- Information governance.
- Open source models for information architecture.
- Create an information architecture view.
- Workshop 8: Create an information view

Module 5: Software Architecture
- Software development
- Workshop 9: Develop software development view.
- Software design and components.
- Thinking of the cloud.
- Integration with SOA and ESB Patterns,
- Mashups patterns.
- MVP – Minimum Viable Product.
- Software Architecture View.
- Workshop 10: Develop logical software architecture.

Module 6: Infrastructure Architecture
- Infrastructure and datacenter architecture.
- Compute view.
- Infrastructure view in practice.
- Workshop 11: Develop a deployment infrastructure view.
- Networking view.
- Storage view.
- Workshop 12: Moving to the cloud.

Moule 7: Solution lifecycle
- Managing solution architecture lifecycle.
- Solution life cycle engagement model.
- 8 lifecycle engagement elements.
- Workshop 13: Solution architecture lifecycle.
- Delivering a solution.
- 8 coverage of solution architect engagements.

Open Book Examination (2 Hours)