Role Profile for Software Architects

**Description**: This diagram is designed to highlight the common and major aspects of the software/technical architect role. It is targeted towards application and system architects that are working on bespoke software development projects.

**Purpose**: This diagram can be used to help perform a high level assessment when interviewing software architect candidates, or as a self-assessment to highlight keys areas in which you have little exposure.

**Usage**: Simply choose the appropriate level at the bottom of each element to highlight where demonstrable experience lies, asking the questions that are relevant to your own organisation. For example, questions to ask about Software Selection include, “have you performed software selection?”, “was this for a new or existing project?”, “were you solely responsible for choosing the software?”, etc.

### Architecture
- Architecture definition, system structure, logical view, physical view, architectural principles, security, etc.
- Contributed To | Defined

### Non-functional Requirements
- Performance, scalability, security, etc.
- Delivered Against | Justified | Tested

### Project Methodology
- Project structure and use of methodology such as waterfall, RUP, XP, Scrum, etc.
- Contributed To | Defined

### Hands-on Design, Development & Testing
- UML diagrams, code, unit tests, etc.
- Yes | No

### Software Selection
- Application stack, databases, libraries, frameworks, technology standards, etc.
- Greenfield Project | Existing System

### Leadership
- Technical leadership, responsibility and authority, steering the team, etc.
- Contributed To | Performed

### Development Processes
- Source code control, build process, continuous integration, automated testing and other development processes/tools.
- Contributed To | Defined

### Breadth of Experience
- Knowledge of many technologies and architectures.
- Yes | No

### Infrastructure Selection
- Operating systems, hardware, networks, disaster recovery, etc.
- Greenfield Project | Existing System

### Coaching and Mentoring
- Helping people with technical problems, helping people move into new roles, etc.
- Design and Code | Architecture

### Practices and Standards
- Coding standards and guidelines, project practices, tool selection, etc.
- Contributed To | Defined | Enforced

### Software Development And Technology Trends
- Agile, Web 2.0, SOA, lightweight Java EE...
- Awareness | Opinions

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