



## ROLE PROFILE

### Principal Architect

#### Why do we have this role?

*Resonate specialise in providing mission critical systems and data science led solutions, primarily in the transport industry. We possess a blend of strong technical skills and domain expertise and are now looking for a Principal Architect to provide leadership, day-to-day management, and drive coherent, strategic thinking.*

*Our architecture team is responsible for translating our Business and Product strategies into a coherent technical approach and compliant solutions, employing both best practice and its own architectural principles in guiding the shape of our output, whilst maintaining well-judged pragmatism.*

*This role will encompass elements of Enterprise Architecture (in terms of the level of thinking and output required) and team leadership, whilst retaining the need to stay close to and contribute to solution architecture as needs demand.*

#### Core Objectives

- Translate the Resonate business strategy, within our domain context, in order to:
  - develop a technology strategy and architectural principles
  - drive the delivery of a 'future-state' architecture
- Ensure change delivery complies with these principles, else highlight the impact of any deviations
- Drive the continued maturity of our product set via existing projects or standalone initiatives
- Where necessary, build business cases for new technology implementations
- Develop and maintain up to date views of the organisations enterprise and solution architecture
- Lead, manage and mentor our architect team
- Provide architectural support to bid estimation
- Maintain visibility of our change pipelines and ensure architect and design skills are available and applied appropriately to change delivery
- Support innovation and advise on the relative merits of new technologies
- Engage with industry bodies and independent market analysis organisations

#### Top Internal Relationships

1. Technical Strategy & Integration Director (reports to this role)
2. Architecture team
3. Development team
4. Deployment team

#### Technical Requirements

##### **Essential Experience:**

- Experience in hands-on architect roles (solution/ technical) and leading architecture functions
- Extensive experience in architecting enterprise scale visions and roadmaps
- Experience providing architectural services in:
  - waterfall and agile delivery environments
  - mixed hosting environments (on premise, private DC, cloud)
  - distributed technology environments
  - Microservice oriented and containerised platforms
- Active involvement in delivering/ improving CI/ CD setups





# resonate

- Broad technical base to include strong understanding of:
  - Networking (protocols, architectures, topologies)
  - Queuing technologies (e.g. MQTT)
  - Public cloud environments
  - High volume messaging and data streaming
  - Mixed data environments (transactional, analytical)
  - Integration methodologies
  - NOSQL and mixed DB environments
  - Multiple OS environments
  - Multiple code development environments
- Deploying production workloads in Amazon Web Services (AWS)
- Providing assurance around 3rd party solutions and COTS
- Strong familiarity of TOGAF, BCS ESA or similar

## ***Desirable:***

- Experience working in a compliance based environment
- Experience of legacy estate rationalisation
- Ownership of architectural deliverables in a 'supplier' organisation

## **Personal Requirements**

### ***Competencies***

- Strong team leadership and management capability
- Excellent communication skills
- Personal impact and the ability to influence strong willed stakeholders
- Ability to build a strong rapport with a variety of stakeholders
- Capable of understanding complicated scenarios and drive appropriate technical response
- Ability to translate complex technical options into exec level recommendations
- Ability to drive strategic direction whilst recognising the need for tactical solutions as appropriate

