



ROLE PROFILE

Application 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 but are now looking for an Application Architect to broaden our capability, specifically around software and application architecture best practice.

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.

As an Application Architect and part of our architectural team, you will report into the Principle Architect. The Application Architect will specialise in software architecture but contribute to ensuring we have a fit for purpose enterprise landscape to achieve our long term goals.

Core Objectives

- Own our software architecture strategies for our core products including but not limited to: microservice and API patterns, product instance management, etc.; ensuring they are fit-for-purpose today and in the future
- Contribute to the development of Resonate architectural principles and best practices
- Provide architectural support for sales and bid estimation
- Responsibility for End-to-end project and product application architecture, ensuring this complies with: best practice, our strategy and supports the needs of the project
- Ensure software delivery complies with architectural patterns and standards
- Maintain a view of the technical maturity and risk profile of our product set, including security, resilience, scalability and supportability
- Improve the maturity of/ reduce risk profile of our product set via existing projects or standalone initiatives
- Where necessary, build business cases for dealing with technical debt or investment in new technology implementation
- Mentor our internal architecture and software teams as appropriate
- Drive the continued improvement of our architecture capability and processes
- Support innovation and advise on the relative merits of new technologies
- Engage with industry bodies and independent market analysis organisations

Top Internal Relationships

1. Principal Architect (reports to this role)
2. Broader Architecture team
3. Software delivery team
4. Business Analysis/ Product Owners

Technical Requirements

Essential Experience:

- Experience in hands-on architect roles specifically within the software/ application architecture functions
- Experience of on premise, cloud and hybrid hosted environments





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- In-depth experience of designing and implementing software services
- Experience providing architectural services in:
 - waterfall and agile delivery environments
 - mixed hosting environments (on premise, private DC, cloud)
 - distributed hosting environments
 - Microservice oriented and containerised platforms
- Active involvement in delivering & improving CI/ CD DevOps setups
- Broad technical base to include a strong understanding of:
 - Queuing technologies (e.g. MQTT)
 - High volume messaging and data streaming
 - Integration methodologies
 - NOSQL and mixed DB environments
 - Multiple OS environments
 - Public cloud environments
 - Infrastructure as code
- Deep understanding multiple coding environments including Java
- Deep understanding of best practice in use of microservices, APIs, containerisation
- Experience migrating production workloads to public cloud platforms
- Integration with third-party solutions and COTS
- Strong familiarity of TOGAF, BCS ESA or similar

Desirable:

- Experience working in a compliance/ regulation heavy environment
- Experience of legacy estate rationalisation
- Ownership of architectural deliverables in a 'supplier'/'product' organisation

Personal Requirements

Competencies:

- Thrives in fast paced, ambiguous environments
- Personal impact, resilience 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
- Excellent communication skills

