ROLE PROFILE
Technical 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 Technical Architect to broaden our capability, specifically around the provision of infrastructure 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 a Technical Architect and part of our architectural team, you will report into the Principle Architect and lead a small infrastructure team. The Technical Architect will specialise in infrastructure hosting solutions, networks and security but contribute to ensuring we have a fit for purpose enterprise landscape to achieve our long term goals.

Core Objectives
- Own and drive the infrastructure architecture for Resonate ensuring it's fit for purpose for today and the future
- Contribute to the development of Resonate architectural principles and design best practice
- Delivery of hosting and infrastructure strategies for core products including TCO
- Provide architectural support to bid estimation
- Contribute to project and product architectural decision making and artefacts
- Ensure project delivery complies with architectural best practice, strategy and principles, else highlight the impact of any deviations
- Develop and maintain up to date views of Resonate's product technical architecture
- Determine and communicate the technical maturity and risk profile of our product set including security, resilience and supportability
- Drive the continued maturity of our product set via existing projects or standalone initiatives
- Where necessary, build business cases for new technology implementation
- Lead, manage and mentor our internal infrastructure team
- Drive the continued improvement of our architecture capability both internally and through the use of carefully selected partners
- 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. Architecture team
3. Infrastructure/DevOps team
4. Deployment team

Technical Requirements
Essential Experience:
- Experience in hands-on architect roles (solution/ technical) specifically within the infrastructure architecture functions

- Experience of on premise, cloud and hybrid infrastructure environments
- Leading/ managing small architecture and infrastructure teams
- In-depth experience of designing and implementing infrastructure 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 of Network Architecture (protocols, architectures, topologies) including MPLS / VPN / Proxy / Wi-Fi technologies
- Deep knowledge of infrastructure Security best practices including Firewalling, Web Application Firewalling, Load Balancing, SSL Inspection
- Experience migrating production workloads to public cloud platforms
- Providing assurance around third-party solutions and COTS infrastructure

Desirable:
- Experience working in a compliance based 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