



ROLE PROFILE

Lead Solutions Architect (Digital Platforms)

Why do we have this role?

Resonate's vision is to create a truly connected rail network, using our deep technology expertise and rail industry experience to deliver game-changing solutions that meet transport challenges across the UK and beyond. We are a company that is excited by the possibilities offered by technology and are driven by improving experiences for passengers globally.

We are building digital platforms that deliver operational management and decision support to improve the quality of customer journeys across the rail network.

We have consistently innovated to create a market-leading product, delivering high levels of automation into complex operational environments. We continue to evolve our offer and recently integrated our technology with our own Traffic Management System; an operational and technical first. Our service offer will continue to grow, taking advantage of cloud, data analytics, edge computing and IT/OT integration models.

Key Responsibilities

We are looking for a strong individual who can provide technical and team leadership across our architecture team.

- *Ensure our solutions are built to support our customers front line operations – they must be affordable, secure, extensible, scalable and highly available*
- *Drive our technical roadmap for managed services*
- *Work with our Product Ownership and Senior Management teams to ensure our solutions are delivering real benefit to our customers*
- *Implement a true platform approach that supports our business ambitions from growth through flexible service-based offers across multiple customers*
- *Lead the development of capability in the architecture teams*
- *Support the development teams in implementing best practice and building capability*
- *Ensure product implementation complies with architectural best practice, strategy, and principles.*
- *Line management and development of a team of architects working cross functionally to support our development teams.*

Personal Attributes

- An advocate of the need to consider performance, reliability, cost, operation, and security in creating designs that deliver customer solutions in control environments.
- Collaborative, with a solution and value-creation focus.
- Ability to communicate and present your ideas succinctly at all levels (for example Exec & project teams), responding to challenge and query in a clear and concise manner using evidence to support your points.
- Innovative, creative, and passionate about what you do, with a thorough attention to detail, appreciating the need for rigour.
- A good coach of technical staff, with the ability to motivate, and bring out the best in others.

Technical Attributes





resonate

- Experience with managed service offerings to multiple clients
- Experience with real time, highly resilient, high availability systems
- Our platforms utilise cloud scale technologies, delivered on AWS and On-Premise environments. They are data driven, delivering applications to thousands of users across our industry customers. You'll need a broad technical base, with experience in a range of technologies such as:
 - Queuing technologies (e.g. MQTT)
 - High volume messaging and data streaming
 - Integration methodologies
 - Various data storage and caching technologies
 - Data analytics
 - Microservice patterns
 - CI/CD, Code management and quality assurance tooling
- Experience providing architectural services in:
 - Product focussed delivery
 - mixed hosting environments (on premise, private DC, cloud, edge and hybrid computing)

Expect to be involved in...

- Supporting our bidding.
- Developing and maintaining up to date views of our technical architecture, driving the continued maturity of our solutions.
- Identifying, determining, and communicating the technical maturity and risk profile of our product set.
- Supporting innovation.
- Contributing to the roadmap for product enhancements.
- Building business cases for new technology implementation as required.
- Engaging with industry bodies, access external expertise and independent market analysis organisations.

Top Internal Relationships

1. Vision Director
2. Solutions Director
3. Architecture team
4. Development team

