ROLE PROFILE
Software Engineering Lead (Java Specialist)

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.

Having recently secured multi-million-pound contracts, we have established a Digital Products Team in a new prestigious office in Milton Keynes. This team will form our future development capability and is key to enabling Resonate's growth strategy.

The newly created role of Software Engineering Lead is very much a technical role, providing the link between Architecture and Development, aligning the direction across sprint teams, and having an overall technical view across projects.

Key Elements of Role
We are in the process of developing green field products that will enable our vision of creating passenger-centric solutions for the railway.

Our developers will be responsible for producing software designs in line with user requirements, implementing these through various technologies in accordance with user stories and business quality standards.

- Be an advocate for high quality code, owning quality checks and driving increased quality of output, utilising tools like Pluralsight Flow
- Lead the code review process, living and promoting good behaviours and standards around this
- Implement and promote knowledge sharing across individuals and teams
- Advise on and lead the use of new technologies
- Lead on new initiatives in the development space
- Maintain a view of problem areas or potential future blockers: identifying, raising and mitigating them
- Ensure development of software designs are consistent with the solution architecture to meet user requirements
- Actively participate in time box planning and solution design
- Implement software using the latest versions of Java and JavaScript frameworks, working within the Eclipse and IntelliJ IDEs
- Develop and test solutions to business problems in line with the user requirements
- Work with the solution architect to refine the software architecture and ensure that deliverables are consistent with the full solution
- Work with the project managers and solution architect to estimate user stories, and subsequently deliver as part of the iterative development lifecycle

Top Operational Relationships
1. Software Development Director (reports to this role)
2. Software Architects
3. Will work closely with Digital Development Managers, Development Leads, Business Systems Analysts and Development/Testing Resources

Person Requirements
5-10 years work-related experience in software design and development, with real experience of, and a high level of competence in, Java based technologies

Required experience:
- Java 8 and above
- Spring
- Eclipse and/or IntelliJ
- Unit testing mocking frameworks, ideally JUnit/Mockito

Beneficial experience:
- Linux
- JPA/Hibernate
- Relational/No SQL Databases
- Knowledge of AWS technologies
- Experience implementing containerisation (Docker) and microservices
- Experience implementing and using Continuous Integration and Build Pipelines (Ansible, GULP, NPM, Maven, Bower)
- Experience using GIT Source Control
- Awareness of messaging technologies and principles (RabbitMQ)

Our Values and Behaviours
At Resonate it's the 'how' we do things together with the 'what' we do that differentiates us. We want our people to display our values and behaviours in their day-to-day activities.