ROLE PROFILE
DevOps Engineer

Why do we have this role?

Our vision is to create a truly connected rail network, using deep technology expertise and industry experience to deliver game-changing solutions that meet transport challenges across the UK and beyond.

Our DevOps culture is in its infancy at Resonate, and we are looking to you and your colleagues to help shape this at Resonate. Our existing DevOps team is responsible for the design and implementation of our product build, infrastructure provisioning, deployments, and monitoring for all our customer facing applications. This is a critical service provided to the business that keeps our customers' operations running and enables the productivity of our development teams.

You will be passionate about modern IT practices, and adaptable to changing priorities, requirements, and technologies. A self-motivated learner with the ability and drive to investigate, learn and develop, working as a key member of the team, you will be capable of understanding complex technical implementations and low-level concepts, able to quickly build relationships, and thrive in a fast-paced environment.

This is a rare opportunity for you to make a real difference - to both our business and customers. Working closely with other specialist teams you will play a key role in ensuring that we are set up for future growth and our ambitious technology product plans.

What are the key objectives?

- Build, manage and continually improve CI/CD pipelines
- Automate the provisioning and management of infrastructure
- Design and implement deployment strategies
- Build and maintain monitoring solutions for our environments and customer applications
- Support the architecture team in designing solutions that provide highly available performant and secure systems
- Support innovation and advise on the implementation of new technologies
- Engage with suppliers and consultants around technical solutions and requirements, and implementation of best practices
- Assist with DevOps culture adoption

Skills and Experience
Essential

- Multiple OS environments (Linux, Windows, etc.)
- Experience with AWS (VPC, EC2, IAM, Lambda, ECS, EKS, S3, RDS, DynamoDB, VPN, etc.)
- Knowledge of Java, Spring Boot, Maven
- Experience of CI/CD DevOps pipelines (Azure DevOps, Jenkins, AWS Codebuild, AWS CodeDeploy, etc.)
- Infrastructure as Code (CloudFormation, Terraform, etc.)
- Containerization (Docker, Kubernetes, OpenShift, Docker Swarm, etc.)
- Config Management (Ansible, etc.)
- Virtualization (Hyper-V, VMWare, etc.)
- Scripting (BASH, PowerShell, etc.)
- Linux fundamentals

- Networking fundamentals (TCP/IP, subnets, VLANs, routing and switching, etc.)
- Reverse proxy management (NGINX, HAProxy, etc.)
- Troubleshooting

Desirable
- Experience of on-premise, cloud and hybrid infrastructure environments
- Experience implementing monitoring systems and solutions (ELK stack, Grafana, CloudWatch)
- Knowledge of agile delivery processes
- Knowledge of security best practices
- Knowledge of messaging technologies (Redis Streams, Kafka, RabbitMQ, IBM MQ, MQTT, etc.)
- Knowledge of Database usage (Document Databases, Relational Database, In Memory Database, etc.)
- Knowledge of JavaScript frameworks and UI build tools (Angular, React, NPM, Webpack, etc.)
- Knowledge of automated and performance test frameworks (JUnit, Karma, Selenium, Cucumber, Gatling, JMeter, etc.)

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

Joining the team and contributing to our vision should not be determined by traditional views of working, our background, or our personal circumstances. What we do, when we do it, and where, should promote positive outcomes - meeting client commitments, innovating, and collaboration with colleagues – flexibility is key to this.

This role could be based in Derby, Milton Keynes, or London (we have beautiful contemporary workspaces at all three offices), and we have adopted a flexible, hybrid approach to work and work location - so please talk to us about your preferences and how these could work for both you and the team.