We believe in consumer centric transportation for a thriving nation in the 21st century, building on connected, cost-effective journeys transformed by our world-class technologies

ROLE PROFILE
DevOps Engineer

Why do we have this role?

Resonate's vision is to support the development of transport services that improve the quality of life and the health of nations, 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.

Our DevOps team is responsible for the design and implementation of our 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.

As a DevOps Engineer you will become part of our DevOps team and will report into the Head of DevOps. Our DevOps culture is in its infancy at Resonate, you will be a valuable member of team helping to shape the DevOps culture at Resonate. You will get the opportunity to support the business by identifying and implementing solutions and tooling etc. You will need to advise on how we can improve efficiency recognising opportunities for continuous improvement, ensuring we have a fit for purpose enterprise landscape to achieve our long-term goals.

This is an excellent opportunity to make a real difference to our business. Working closely with several teams you will play a key role in ensuring that we are set up for future growth and 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
- Assistance with DevOps culture adoption

Key Internal Relationships
1. DevOps & Infrastructure team
2. Development team
3. Architecture team

Essential Qualifications / Competencies / Skills / Experience
- Multiple OS environments (e.g. Linux, Windows)
- Experience with AWS (e.g. VPC, EC2, IAM, Lambda, ECS, EKS, S3, RDS, DynamoDB, VPN)
- Knowledge of java, spring boot, maven
- Experience of CI/CD DevOps pipelines (e.g. Azure DevOps, Jenkins, AWS Codebuild, AWS CodeDeploy)

- Infrastructure as Code (e.g. CloudFormation, Terraform)
- Containerization (e.g. Docker, Kubernetes, OpenShift, Docker Swarm)
- Config Management (e.g. Ansible)
- Virtualization (e.g. Hyper-V, VMWare)
- Scripting (e.g. BASH, PowerShell)
- Linux fundamentals
- Networking fundamentals (e.g. TCP/IP, subnets, VLANs, routing and switching)
- Rerservy proxy management (e,g,nginx, haproxy)
- Troubleshooting

Desirable Qualifications / Competencies / Skills / Experience
- 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 (e.g. Redis Streams, Kafka, RabbitMQ, IBM MQ, MQTT)
- Knowledge of Database usage (e.g. Document Databases, Relational Database, In Memory Database)
- Knowledge of spring boot, maven
- Knowledge of javacript frameworks and UI build tools (e.g angular, react, NPM, webpack,)
- Knowledge of automated and performance test frameworks (e.g. junit, karma, selenium, cucumber, gatling, jmeter)

Who are you?
We look for people who will fit in well with our culture at Resonate, these are the attributes we'd like to see in people for this position
- Thrives in fast paced environments
- Ability to build a strong rapport with colleagues
- Capable of understanding complex technical implementations and low-level concepts
- Adaptability to changing priorities, requirements & technologies
- Excellent communication skills
- Self-led learner with ability & drive to investigate, learn and develop
- Passion for modern IT practices & technologies
- Good team player, supportive of colleagues

We have adopted a flexible, hybrid approach to work location - talk to us about your preferences. If your role is based at one of our offices, you will still have the opportunity to work from home and may also be required to do so. This may be on a permanent basis (full or part-time) or at such times as the Company may require, for example in an emergency or pandemic context.