

## Job Description: Senior DevOps engineer

**Competitive salary, bonus, enhanced benefits - including unlimited paid annual leave, discounted gym membership and more**

**Role overview:** (click [here](#) to find out more about Profusion and staff benefits)

Profusion is a leading provider of data and marketing services, ranging from consultancy advice, through to the creation and execution of innovation projects and marketing campaigns. We specialise in helping retailers, FMCGs, SMEs and financial services business to grow using the power of data science. Our partnerships with universities and leading organisations enable us to bring the best academic thinking into the solutions we offer our clients.

You must be a team player as you will be working alongside our talented data and software engineers to deliver on our customers varied and challenging needs within the AWS Cloud and our on-premise data centre. Your primary responsibilities will be developing CI/CD pipelines, building secure networks and migrating our development, products and Infrastructure towards AWS whilst maintaining and improving operations in the existing data centre. You will be reporting directly to our CTO and you will have a voice.

You will have good potential for personal and career development, learn from and share knowledge with a range of talented, highly skilled and internationally diverse team of colleagues. All of this while embarking on an exciting journey with a pioneering, fast-growing company situated at the heart of London's Tech City. We need you to be proactive and have a strong voice in the team, to own your domain and help drive rapid change within the organisation.

### Key responsibilities

- Together with CTO, strategise and Develop 'Infrastructure as Code' following recognised software delivery practices including pair programming, code reviews and test coverage
- Ensure compliance, security and best practice across AWS
- Use configuration management tools (AWS lambda, serverless.js and Terraform) to create stable, testable, and repeatable infrastructure as code which stand up to strict customer audit processes
- Undertake continuous security monitoring, review and improvement across all Cloud and local infrastructure with a view to keeping the CEO informed of status and risks via dashboards
- Ensure IT Security compliance in line with our client's requirements in projects and services we provide and take responsibility for this with regard to client Information Security Audits
- Maintain and improve CI/CD build tools and pipelines
- Operate and maintain on premise infrastructure with Debian, Active Directory, Apache, CF Engine, Adobe Campaign, Postgres, MySQL, OpenBSD, VMware, PowerMTA
- Management and development of continuous integration and deployment solutions for production applications across various sites/software
- Build Tooling and API's in node and Python, to enable developers to automate, configure and deploy more efficiently across the IT portfolio
- Collaborate with cross-functional teams to design and implement development pipelines with automation and security at the heart of every design
- You will apply your architectural experience to not just help deliver development pipelines (CI/CD), but overall cloud architecture and to define Profusions development processes
- Be a single point of contact for all Cloud & CI/CD based topics and share domain and industry knowledge between multi-functional teams
- Strive for optimum organisational efficiency by applying systems thinking across boundaries and making recommendations about policies/ processes
- Root and branch review of current systems and design plans for rebuilding them in a non-disruptive manner

## Personal Specification: Knowledge, Experience and Skills

This is all about automation. Using an 'Infrastructure as Code 2.0' approach, you will automate everything along the way. You have deep experience within AWS and you have most likely have backend development background using node and/or python. Customer focussed mindset is important and a view to your work becoming a profit centre for the business, not just a cost.

- Demonstrable expert skills with AWS Lambda, EC2, RDS, S3, Redshift, VPC, IAM
- Demonstrable good experience with Debian, Active Directory, CF Engine, Postgres, MySQL and VMware
- Demonstrate proficiency in software development and testing, ideally in Javascript/node and Python
- Experience or knowledge about Apache, Adobe Campaign, OpenBSD PowerMTA is desirable
- Experience building continuous integration and infrastructure-as-code environments, including multi-region failover, zero-downtime deployments, failure injection, artefact repositories
- Understanding and experience of test-driven development
- Platform engineering with AWS and management tooling (including AWS lambda, serverless.js, Terraform)
- Proven experience with an end-to-end platform build, all the way from taking a brief, designing, and building the architecture
- Previous experience of leading and managing external Information Security Audits and accreditations such as ISO27001
- Previous experience with config and provisioning tools i.e., Terraform, Chef or Puppet, AWS lambda through serverless.js and previous use of Monitoring tooling
- A passion and deep knowledge of DevOps to ensure imbedding of DevOps cycle and adoption of the principles within the organisation going forwards.
- Active engagement with colleagues and a “work out loud” approach to help motivate those around you and demonstrate the art of the possible
- Pragmatic in approach to decision making and problem solving that is principle-based
- Professional experience with Scrum/Kanban and Jira
- You are a specialist in networking concepts like TCP, DNS, etc, and how to apply them to a Cloud-based environment, using infrastructure-as-code tools
- Excellent ability to manage multiple tasks and expectations at once

### How to apply

If you are passionate about your career in DevOps and IT Security and you meet the requirements above, please email your CV with a cover letter (no more than 2 sides of A4) outlining why you would be ideal for the role to [recruitment@profusion.com](mailto:recruitment@profusion.com)

Please note that because of the high number of applications we typically receive, it is not possible to answer everyone in person, successful candidates will hear from us within 2 weeks of the closing date.