



## Job Description:

<b>Job vacancy:</b>	Junior Systems Administrator
<b>Reporting to:</b>	Head of Engineering Computer Services
<b>Location:</b>	Bristol & Bath Science Park
<b>Annual Salary:</b>	Subject to applicant experience
<b>Package:</b>	27 days annual leave 4 x Salary Life Assurance Group Personal Pension Scheme Group Private Medical Insurance Health Care Cash Plan



## Overview:

The Centre for Modelling and Simulation (CFMS) is a growing, independent digital engineering consultancy providing technical expertise to help organisations create cutting edge solutions by pioneering new approaches to product development and enabling innovation services.

Working with commercial and research organisations of all sizes, CFMS has an exciting portfolio of digital innovation capabilities, including design and analysis services, consultancy, and IT infrastructure. CFMS uses digital innovation across the cyber-physical landscape (including a new robotics capability) to help develop more effective engineering solutions across industrial sectors critical to the UK economy.

As a commercially focused organisation we reinvest profits from commercial activity into the continued development of our people, facilities, and research capabilities.

## About the role:

CFMS' Engineering Computing Services (ECS) team design, deploy and support the infrastructure and technical systems to both internal and external customers, making use of leading-edge scientific computing and AI services including:

- State-of-the-Art HPC cluster
- State-of-the-Art GPUs and AI accelerator servers
- Openstack private cloud systems
- Petabytes of Ceph based distributed storage
- High performance networking equipment
- General purpose back office computing and services

CFMS is looking for a highly motivated individual to join the team as a Junior Systems Administrator (JSA), who is ready to learn, upskill and who wants to be part of our inclusive and supportive team.

As a member of ECS you will play a role in the management and maintenance of the compute, storage, underlying network infrastructure and the software that runs on it for CFMS. ECS delivers a variety of services using a DevOps and Infrastructure as Code (IaC) approach, managing systems through tools such as Ansible, Git, Terraform, Kubernetes, Bash and Python. In this role you will have the opportunity to gain both hands-on experience with physical hardware and the software that automates its deployment and maintenance.

As a JSA in the ECS team you will be exposed to a wide variety of exciting and leading-edge technologies and systems, with many opportunities to learn new skills. CFMS pride ourselves in investing time, resource and energy into our staff to fulfil their career potential.



## Skills, Knowledge and Competencies:

ECS team members work together to maintain the CFMS IT estate and their user base. As such the following skills are what we look for from our team members. We do not expect candidates to have all of these skills, but demonstrating some of these already is advantageous. We aim to train and grow the individual as a generalist or a specialist in specific areas, driven by the individual's interest and expertise, the choice is yours!

### Technical Skills

- Competent using Python for scripting
- Comfortable building and maintaining well organised code bases
- Understands containerisation using virtualisation tools, e.g. Docker or Virtual Machines
- Competent with source control, ideally Git
- Familiarity interacting with systems using the command line
- Aware of automation concepts such as Infrastructure as Code (IaC) and/or CI/CD concepts
- Able to identify and debug problems across a range of systems as an individual and as part of a team
- High level understanding of the internal components of computers

### Soft Skills

- Enjoys analysing and finding the root cause of faults/problems/issues
- Can adapt to a range of new technologies and skills on the job
- Interested in new technologies
- Independently motivated
- Organised and able to manage competing priorities

## Experience:

- A degree or relevant qualification/experience in a technical subject
- Credible Linux experience

## Key Relationships:

The JSA will be a valued member of the ECS team, but also with the wider CFMS technical team and directly with customer end users.

## Profile:



The successful candidate will be a confident and motivated individual that is passionate about all things IT with a particular focus on Linux, keen to learn new technologies and able to take a project from an abstract concept through to completion in a team environment.

### How to Apply:

Email your CV and covering letter to [careers@cfms.org.uk](mailto:careers@cfms.org.uk). If you would like further information on the role, please contact us in the email above or call **0117 906 1100**.

This vacancy is open to **UK nationals only**.

**Direct applications only - no agencies.**

*Don't meet every single requirement? CFMS is committed to building a team with a variety of backgrounds, skills, and views. The more inclusive we are, the better our work will be. We know that having varied perspectives helps generate better ideas to solve the complex problems of a changing and increasingly diverse world. We encourage candidates to apply if they are excited about this role and meet some of the criteria.*