Applications are invited from suitably qualified candidates for the following position

Senior Systems Engineer
School of Computing
Faculty of Engineering & Computing
Analyst programmer III
Permanent Contract

Dublin City University

Dublin City University www.DCU.ie is a young, ambitious and vibrant University, with a mission 'to transform lives and societies through education, research, innovation and engagement'. Known as Ireland's 'University of Enterprise and Transformation', it is committed to the development of talent, and the discovery and translation of knowledge that advances society and the economy. DCU is the Sunday Times Irish University of the Year 2021.

The University is based on three academic campuses in the Glasnevin-Drumcondra region of north Dublin. It currently has more than 18,000 students enrolled across five faculties – Science and Health, DCU Business School, Computing and Engineering, Humanities and Social Sciences and DCU Institute of Education. DCU is committed to excellence across all its activities. This is demonstrated by its world-class research initiatives, its cutting-edge approach to teaching and learning, its focus on creating a transformative student experience, and its positive social and economic impact. This exceptional commitment on the part of its staff and students has led to DCU's ranking among the top 2% of universities globally. It also consistently features in the world's Top 100 Young Universities (currently in QS Top 70 Under 50, Times Higher Top 150 Under 100).

DCU is placed 84th in the world, in the Times Higher Education University Impact Rankings – measuring higher education institutions' contributions towards the UN Sustainable Development Goals. Over the past decade, DCU has also been the leading Irish university in the area of technology transfer, as reflected by licensing of intellectual property.

School of Computing

The School of Computing at Dublin City University has earned a strong reputation for excellence in research and teaching. In addition to its existing programmes the B.Sc. in Computer Science degree, the B.Sc. in Computing for Business, the B.Sc. in Data Science is the first of its kind in Ireland and is aimed at students who are interested in a career in A.I., data analytics and related data science roles. We also offer a range of innovative taught M.Sc. programmes aimed at producing graduates with the professional and personal skills most sought after in the Information Economy.

The School also enjoys a lively, engaging environment for research in many areas of computing, with its numerous Ph.D. and M.Sc. research students producing work of significance at both national and international levels. With close industry links and fee support for EU students, the School's teaching and research programmes reflect the current and anticipated needs of Ireland's industrial and

commercial sectors while at the same time meeting the most rigorous national and international academic standards

Role Profile

The school of computing in DCU is currently recruiting a Senior Systems Engineer to support its IT infrastructure and service delivery. Reporting to the Head of School, this is an important IT role and is critical to the effective delivery of the schools' strategic goals across all activities, including teaching, research, and industry engagement. S/He will play a leadership role as part of the School's IT team, directing and mentoring other team members as well as undertaking substantial aspects of the work themselves.

The majority of the schools IT services run on a virtualised private cloud, running VSphere with multicore hosts and large storage array networks. The private cloud is dual located and designed for resilience, redundancy and high availability.

Duties and Responsibilities

Please refer to the job description for a list of duties and responsibilities associated with this role.

Qualifications and Experience

Essential Criteria:

- A Primary Degree and/or post-graduate degree (Master's Degree level or equivalent) in Information Technology, Computer Science, or another relevant field.
- At least 6 years' IT systems administration, design, and deployment experience.

The ideal candidate will have the following qualifications and experience:

- Additional experience or relevant professional qualifications would be advantageous.
- A key understanding of cybersecurity threats and remediation within a diverse university environment.
- Knowledge of Project Design.
- Proven capability to work under pressure and deliver benefits in a business-critical service environment.
- Excellent communication skills, including ability to communicate, influence and liaise with staff at all levels of the organisation.
- Evaluation and assessment of new technologies and incorporation into service design.
- A flexible, adaptable outlook and a team player who enjoys working closely with a diverse range of people.
- Availability to work on site in DCU (though, currently, there is a provision to work remotely for one day a week under DCU's Remote Working Policy)
- Be Self-motivated, showing initiative and sound decision making.
- Commitment to continuing development of both personal and other professional and technical skills.
- Ability to develop and evaluate risk assessments.
- Strong knowledge of containerisation technologies such as Docker.

Systems and Technical Competencies:

- Administration and management of a Virtualised Cloud environment to provide high availability services.
- Administration of essential network services such as DNS, DNCP, LDAP, NFS, SSH, and SMTP.
- Supporting OS and application deployment to a large number of desktop computers in both software development laboratories and office environment using modern deployment tools, such as Ansible.
- Automation of system processes and infrastructure using common scripting languages.
- Implementation of local and network firewall policies/rules to restrict both inbound, outbound and lateral networks.
- A detailed understanding of backup and replication technologies for system and data recovery in a virtualized environment.
- Application of a risk-based approach to patch management.
- A detailed knowledge of VSphere administration.
- A working knowledge of Juniper OS and firewall features.
- An excellent working knowledge of Network protocol stack and network routing and switching technologies.
- A knowledge of monitoring and alert management systems.

Essential Training

The postholder will be required to undertake the following essential compliance training: Orientation, Health & Safety and Data Protection (GDPR). Other training may need to be undertaken when required.

Salary Scale:

Analyst Programmer III - € 59,758.00- € 96,026.00

Appointment will be commensurate with qualifications and experience and in line with current Government pay policy

Closing date: Monday 31st October 2022

For more information on DCU and benefits, please visit Why work at DCU?

Informal Enquiries in relation to this role should be directed to:
Professor Martin Crane, Head of School of Computing, Dublin City University.
Email: martin.crane@dcu.ie

Please do not send applications to this email address, instead apply as described below.

Application Procedure:

Application forms are available from the DCU Current Vacancies website at
https://www.dcu.ie/hr/vacancies-current-vacancies-external-applicants

Applications should be submitted by e-mail with your completed application form to
hr.applications@dcu.ie

- **Please clearly state the role that you are applying for in your application and email subject line: Job Ref #BC220708 Senior Systems Engineer**

Dublin City University is an equal opportunities employer.

In line with the Employment Equality Acts 1998 – 2015, the University is committed to equality of treatment for all those who engage with its recruitment, selection and appointment processes.

The University's Athena SWAN Bronze Award signifies the University's commitment to promoting gender equality and addressing any gender pay gaps. Information on a range of university policies aimed at creating a supportive and flexible work environment are available in the DCU Policy Starter Packs