



## 1 Advertisement

**Post Title:** Senior Platform and Infrastructure Engineer

**School/department:** ITS

**Hours:** Full time considered up to a maximum of 1 FTE

Requests for flexible working options will be considered (subject to business need).

**Contract:** Fixed term for 2 years

**Reference:** 20438

**Salary:** starting at £44,414 to £52,841 per annum, pro rata if part time [current salary scales can be found here](#)

**Placed on:** 24 April 2023

**Closing date:** 15 May 2023 Applications must be received by midnight of the closing date.

**Expected interview date:** To be confirmed

**Expected start date:** As soon as possible

The University of Sussex is a leading academic institution nestled in the beautiful South Downs, on the outskirts of Brighton. With staff and students from over 100 countries, we are a diverse and innovative environment, and one of the highest performing universities in the world. We are also a major local employer, with a revenue of over £320m per year and over 3,000 employees.

Led by an award-winning Chief Digital Transformation Officer and inspirational leadership team, we are now embarking on an ambitious programme of transformational change. Over the coming years, this digital transition will be an ever-developing programme supported by senior stakeholders both financially and strategically. Put simply, whilst we are already a highly successful organisation and business, the University will be a very different world in years to come and achieve levels of performance and digital delivery as yet unseen in the sector. All of this is underpinned by major construction and estate renewal, an exciting programme of work to add thousands of accommodation spaces, and a network replacement project to install the latest digital infrastructure as part of the journey towards a fully data-enabled organisation.

We are moving to an agile world and need to take the organisation on the same journey; to be sector leading and to deliver a model of digital delivery fit for the coming years. As this programme gains momentum, we need more people to join us as we unpick our challenges and legacy systems and move towards meeting our potential.

A critical part of this is the modernisation and replacement of our legacy networks, including major civils to replace physical infrastructure, our Cyber Security programme, and moving our data centres to the cloud. Reporting into the Assistant Director, IT Infrastructure, the Senior Platforms & Infrastructure Engineer (Cloud), will be a key member of the IT Services Team and play a crucial role in the ongoing digital transformation journey.

As the Senior Platforms & Infrastructure Engineer (Cloud), you will take responsibility to collaboratively develop, build, install, integrate, test, maintain and debug technical platforms and infrastructure services that underpin the University's business applications and customer-facing services.

As the ITS specialist with experience in cloud backup services and enterprise server transformation you will lead the technical design and implementation of new services and changes to existing platforms and infrastructure services. Our current platforms and infrastructure are built around a mixture of Windows, Linux and Mac operating systems, spread across an on-premises virtual infrastructure and physical server infrastructure.

You would also take the lead in the provision of expert advice and insight throughout the Digital Infrastructure Programme (DIP) to help to address problems, make recommendations and propose improvements to maximise efficiency and effectiveness.

To be successful in the role, you will be experienced in cloud platform migration activities and ongoing management. You should be able to demonstrate a high level understanding of cloud based network configuration with experience of automation tools and processes. It would be of mutual benefit if you have knowledge and experience around the implementation of a hyper-converged infrastructure and enterprise scale cloud based backup and recovery solutions. This role is aligned directly to the Digital Infrastructure Programme (DIP), as such, you should be able to demonstrate collaborative working with peer technical colleagues, project management teams, business stakeholders and IT Leaders.

Not only do we offer flexible and remote working, a vibrant atmosphere, use of our incredible facilities, benefits, and an amazing pension; but we are offering the opportunity to be part of a transformation that will see us set the benchmark for a model of digital delivery in the HE sector.

For further information please contact Michelle Richardson at [michelle.richardson@sussex.ac.uk](mailto:michelle.richardson@sussex.ac.uk)

For full details and how to apply see our [vacancies page](#)

*The University of Sussex values the diversity of its staff and students and we welcome applicants from all backgrounds.*

## **2. The School / Division**

IT Services delivers a wide range of digital services to users across our Campus and beyond. Our Chief Digital Transformation Officer, Jason Oliver, is now tasked with shaping the strategic initiatives and strategies that will secure a successful and sustainable future for the institution, where digital technology and mobile platforms will increasingly transcend physical and geographical boundaries providing opportunities for the transformation of our students' and staff lives. Prior to joining Sussex he undertook similar advancements at the Science Museum Group and the Royal Opera House, where he built sector-leading teams and delivered a large-scale transformation agendas resulting in step-changes in organisational culture.

IT Services is organised into four main teams, delivering services through an evolving agile service management and delivery model:

The **Digital Engagement** team are primary changes agents working to transform our business processes and systems, to nurture the relationships between IT Services and its

stakeholders, and helping us to understand and develop the ambitions for our use of digital technologies in education, research, student services and university administration.

The **Strategy and Architecture** team ensure our strategies, technologies, security and standards support our digital aspirations whilst planning the replacement, upgrades and improvements to our technologies and systems, ensuring that they are aligned and prioritised around the University's strategic plans and objectives.

The **Infrastructure team** work to define, modernise and automate our underlying platforms and network ensuring that they are optimised to meet the needs of the diverse communities across the University, to continue our journey to the cloud and to advance our approaches to ubiquitous connectivity across our campus.

The **Operations team** work across the research, teaching, professional services and student groups to manage our product areas, develop and integrate our platforms and applications and support our communities to ensure outstanding service provision across the operational activity of IT Services.

### 3. Job Description

**Post title:** Senior Platforms & Infrastructure Engineer

**Professional Services unit:** IT Services

**Location:** Shawcross, University of Sussex

**Grade:** 8

**Responsible to:** Assistant Director - IT Infrastructure

**Direct Reports:** n/a

**Key Contacts** Platforms & Infrastructure Manager  
Senior Infrastructure Engineer – Research  
Head of Networks & Infrastructure

### Role Description

The Senior Platforms & Infrastructure Engineer will take responsibility to develop, build, install, integrate, test, maintain and debug technical platforms and infrastructure services that underpin the University's business applications and customer-facing services.

As ITS specialist in specific technology area(s), they will lead the technical design and implementation of new services and changes to existing platforms and infrastructure services.

Lead in the provision of expert advice and insight within relevant specialist area to help to address problems, make recommendations and propose improvements to maximise efficiency and effectiveness.

### Principal Accountabilities

1	Lead on the provision of objective and expert information, advice, and guidance for managers within the organisation on improvements to services and activities related to a specific area of expertise.
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2	Assess queries and potential issues, identifying options and recommending solutions, liaising closely with relevant operational teams.
3	Support the implementation of improvement solutions through planning and project management.

### Key Responsibilities

1	Develop and maintain effective relationships across the organisation to engender confidence and trust in the advice provided at all stakeholder levels
2	Provide advice to managers on best practice based on regularly updated knowledge within own area of expertise.
3	Through close collaboration with the relevant management team, identify and document the specific issue or query to be investigated. Provide coaching and guidance at leadership level to help to articulate and research the problem or issue presented.
4	Monitor and analyse Key Performance Indicators, to assist in the identification of risks, errors, problems, and improvement opportunities.
5	Identify options and make recommendations to address or improve problem areas.
6	Provide expertise and support in understanding the impact of the recommended action and help to build plans for implementation.
7	Support managers within the relevant area on the production and maintenance of project plans for solution implementation and ensure that these are shared with key stakeholders.
8	Lead the design and delivery of support materials for implementation plans where appropriate.
9	Where required, lead a small team of colleagues in area of expertise.
10	Where required, deliver coaching and training to develop capabilities in line with required improvements.
11	Work closely with relevant teams across the organisation and within external networks leading on the sharing of best practice and collaboration in improving processes and procedures.
12	To carry out any other duties that are within the employee's skills and abilities whenever reasonably instructed.

### Dimensions

1	This role does not have direct line management responsibility but may direct the work of others as part of task or project related activities.
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2	Does not have direct budgetary responsibility but may influence associated service expenditure
3	This role will have responsibilities for equipment or premises [see essential role-specific criteria item 9]
4	The post holder reports to the Head of Networks & Infrastructure, working under broad direction to enable the post holder to manage their own work and that of their team members, to achieve their agreed objectives. The role holder will play a key role as part of the Divisional leadership team in supporting the achievement of the strategic and operational goals of the University, Professional Services & their division. The post holder is expected to work collaboratively across the University and with key stakeholders to deliver single team working that efficiently and effectively supports the achievement of those goals and objectives.
5	Support achievement of the Division's/Unit's/School's compliance with all applicable statutory and regulatory compliance obligations, including (but not limited to): UKVI, Health & Safety, the Prevent Duty, data protection, Competition and Markets Authority requirements and equal opportunities, as appropriate to the grade and role. Additionally, to promote good practice in relation to University policy, procedure and guidance in relation to those compliance matters in respect of students, staff and other relevant parties.
6	Balance effectiveness and cost-efficiency in the management of the budgets you are supportive of, demonstrating compliance with Value for Money and Return on Investment principles to support the University's strategic aim to achieve a world-class standard of teaching and research by managing our resources effectively and efficiently.

This Job Description sets out current responsibilities of the post that may vary from time to time without changing the general character of the post or level of responsibility entailed.

### Person Specification

		Essential	Desirable
1	Of graduate calibre with relevant professional qualification or experience, as appropriate to the discipline (see role-specific criteria below)	X	
2	Effective planning and organisational skills, including project management.	X	
3	Well-developed interpersonal skills with the ability to quickly build rapport with the ability to effectively influence other in area of expertise, effectively contribute to team working.	X	
4	Effective oral and written communications skills to work with colleagues and customers providing information and responding to questions and queries, with the ability to	X	

	present complex technical messages in a way that can be understood by most stakeholders.		
5	Ability to work flexibly within a small team and on own initiative.	X	
6	Analytical skills with the ability to generate effective solutions and make effective decisions.	X	
7	Competent IT skills to effectively manager own workload – MS Suite. Experience using functional databases.	X	
8	Good working knowledge of area of expertise	X	
9	Extensive experience operating, monitoring, and maintaining large, enterprise-class, compute and storage platforms.	X	
10	Significant knowledge and experience of securely configuring operating and monitoring [Linux (Ubuntu and RedHat)], Windows [Windows 10, Windows Server 2012-2019]) and / or MacOS operating systems.	X	
11	Specialism in any of the following technologies including detailed experience-based knowledge of how they are used in configuring, monitoring and managing on prem and cloud-based platforms, tools and services: VMWare, vSphere, Azure VMs, Containers and Services; Microsoft 365 Services, Azure AD, Security and Compliance, Device and Threat protection.	X	
12	Significant knowledge and experience of DevOps toolsets, service automation & integration software and productivity technologies, for example: Puppet, Ansible, bash, Python, YAML, Azure DevOps Services, GitHub, Containers, Kubernetes, SAML, Oauth, JIRA, CI/CD etc.	X	
13	Expert knowledge and experience of either: Microsoft Intune, PowerShell and SCCM or Puppet, Bash and Python.	X	
14	Extensive, general IT knowledge and experience gained in a hands-on service-oriented role and ITSM processes.	X	
15	Practical experience working with Agile delivery practices.	X	
16	Five years' experience in a similar role		X
17	Five years' experience working in a university or similar environment		X