



## 1 Advertisement

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

**School/department:** School of Engineering and Informatics/ Computing Support Team

**Hours:** Full Time considered up to a maximum of 1 FTE. Requests for flexible working options will be considered (subject to business need).

**Location:** Brighton, United Kingdom

**Contract:** Permanent

**Reference:** 20742

**Salary:** starting at £44,414 to £52,841 per annum, pro rata if part-time.

**Placed on:** 13 June 2023

**Closing date:** 27 June 2023. Applications must be received by midnight of the closing date.

**Expected interview date:** To be confirmed.

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

***"This vacancy is only open to those currently employed by the University of Sussex (Including those employed through Reed, Chartwells, and SEF)."***

- The School of Engineering and Informatics is looking to recruit a Senior Platforms & Infrastructure Engineer who will take responsibility to develop, build, install, integrate, test, maintaining, and debug technical platforms and infrastructure services that underpin the School's research applications.
- 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. A particular concentration will be on Cloud and Accelerator platforms such as GPU provision.
- Lead in the provision of expert advice and insight within the relevant specialist area to help to address problems, make recommendations, and propose improvements to maximize efficiency and effectiveness.

Please contact Ian Wakeman [I.J.Wakeman@sussex.ac.uk](mailto:I.J.Wakeman@sussex.ac.uk) for informal enquiries.

The University is committed to equality and valuing diversity, and applications are particularly welcomed from women and black and minority ethnic candidates, who are under-represented in academic posts in Science, Technology, Engineering, Medicine and Mathematics (STEMM) at Sussex.

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

Please find further information regarding the school/division at <https://www.sussex.ac.uk/ei/>

## 3. Job Description

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

**Professional Services unit:** Computing Support Team, School of Engineering and Informatics

**Location:** Chichester Building, University of Sussex

**Grade:** 8

**Responsible to:** Technical Services Manager, School of Engineering and Informatics

**Direct Reports:** n/a

**Key Contacts** **Head of Informatics Department**  
IT Laboratory Manager, School of Engineering and Informatics  
Senior Infrastructure Engineer – Research (ITS)  
Head of Networks & Infrastructure (ITS)

### 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 School's research applications.

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. A particular concentration will be on Cloud and Accelerator platforms such as GPU provision.

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.
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.
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 Technical Services manager within the School of

	Engineering and Informatics, 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 computing support team in supporting the achievement of the strategic and operational goals of the School and the University. 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 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 present complex technical messages in a way that can be understood by most stakeholders.	X	
5	Ability to work flexibly within a small team and on own initiative.	X	
6	Analytical skills with the ability to generate effective	X	

	solutions and make effective decisions.		
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)], and 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: GPU Chassis, 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 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