

## **NORTHAMPTONSHIRE POLICE**

### **JOB DESCRIPTION**

<b>JOB TITLE:</b>	Solution Design Architect
<b>SCALE:</b>	ISD SO2
<b>SUPERVISION AND CONTROL:</b>	Solution Design Manager
<b>PLACE OF WORK:</b>	Hybrid - Darby House / home working
<b>HOURS OF WORK:</b>	37

**PURPOSE OF THE JOB:** To work with the enterprise architecture team, digital portfolio office and project stakeholders, translating business requirements into technical specifications. Work with the delivery team to oversee the delivery of those designs through to implementation, ensuring value is delivered to the organisation.

#### **MAIN RESPONSIBILITIES:**

- To partner with business leads and system owners on specific problems. To understand organisation and departmental strategy and design information systems solutions to meet the identified requirements.
- To investigate information technology systems that could benefit the organisation and support the specialist team in identifying solutions that meet agreed requirements.
- To work closely with the enterprise architecture team to design and produce a technical specification for solutions and their components to meet defined business needs, considering functionality, data, security, integration, performance, infrastructure and networks.
- To estimate cost and support the preparation of business cases for technical solutions, considering infrastructure, licenses, development and support.
- To work with the Technical Project Managers and Business System Analysts to develop high level project schedules and resource plans for the implementation of projects.
- To provide advice and guidance to the Digital and Technology department about the impact of the proposed project on the current and future state of Fire and Police information, application and technology architectures.
- To work closely with specialist teams (enterprise architecture and digital portfolio) on the development, configuration, testing and eventual decommissioning of technical solutions according to agreed specifications and standards.
- To work closely with the delivery team to oversee that the products and solutions are implemented appropriately, based on the design.
- To use industry best practice to document technical configurations and to maintain a model of the organisation's current and future information, application and technology architectures.
- To contribute to the development and maintenance of a set of policies and standards for technical projects and ensure that all projects are delivered in compliance with agreed quality standards.

- To research and keep abreast of developments and best practices with regard to technology particularly in the area of information systems, infrastructure and networks.
- To help the organisation to exploit its existing technology and use knowledge of digital solutions to enable organisational change and support business process design.

**NOTE:**

The job description reflects the major tasks to be carried out by the post holder and identifies a level of responsibility at which the post holder will be required to work. In the interests of effective working any major tasks may be reviewed from time to time to reflect changing needs and circumstances. Such reviews and other consequential changes will be carried out in consultation with the post holder. The post holder will be also required to carry out such other duties as may be determined from time to time to be within the general scope of the post.

**CONDITIONS OF SERVICE:**

The appointment will be full time and subject to the conditions of service of the Police Staff Council.

The annual leave entitlement is 24 days with a further 5 days after 5 years continuous service.

## **PERSON SPECIFICATION**

### **SOLUTION DESIGN ARCHITECT**

#### **ESSENTIAL CRITERIA**

##### **Solution Architecture: SFIA Level 5**

- You can demonstrate that you lead the development of solution architectures in specific business, infrastructure or functional areas.
- You can show that you ensure that appropriate tools and methods are available, understood and employed in architecture development.
- You can evidence that within a change programme, you lead the preparation of technical plans and, in liaison with business assurance and project staff, ensures that appropriate technical resources are made available.
- You can show that you provide advice on technical aspects of solution development and integration (including requests for changes, deviations from specifications, etc.) and ensure that relevant technical strategies, policies, standards and practices (including security) are applied correctly.

##### **Emerging Technology: SFIA level 4**

- You can demonstrate how you support monitoring of the external environment and assessment of emerging technologies to evaluate the potential impacts, threats and opportunities to the organisation.
- You can evidence that you contribute to the creation of reports, technology roadmapping and the sharing of knowledge and insights.

##### **Testing: SFIA Level 6**

- You can demonstrate you know how to develop organisational policies, standards, and guidelines for testing.
- You can demonstrate how to plan and lead strategic, large and complex testing activities.
- You can show that you know how to lead activities to manage risks associated with testing.
- You can show you have experience adapting or developing organisational testing capabilities and methods to solve complex engineering problems in tools and testing.
- You know how to promote a culture of quality throughout the organisation and drive adoption of and adherence to testing policies and standards.

##### **Technical Understanding: DDaT Level Expert**

- You are able to demonstrate you thoroughly understand the technical concepts required for the role and can explain how these fit into the wider technical landscape.
- You can demonstrate an ability to predict and advise on future technology changes that present opportunities.

##### **User Focus: DDaT Level Practitioner**

- You can evidence that you understand users and can identify who they are and what their needs are, based on evidence.

- You can demonstrate your ability to engage in meaningful interactions and relationships with users.
- You can show evidence that you are able to propose pragmatic solutions that balance user experience, security and assurance needs.

#### **Ownership and Initiative: DDaT Level Practitioner**

- You can evidence an ability to take accountability of issues that occur and be proactive in searching for potential problems.
- You can demonstrate you know how to achieve excellent user outcomes.

#### **Service Focus - DDaT level Practitioner**

- You can show you know how to see the bigger picture and can investigate how to get the best of underlying services.

### **DESIRABLE CRITERIA**

- 1.You will have demonstrable experience of carrying out a similar role in a law enforcement or fire service context.
- 2.You will have experience in an environment that routinely handles sensitive data while demonstrating an understanding of the principles of assessing risk of harm or equivalent qualitative analytical methods.
- 3.Working knowledge of PRINCE 2 methodology.
- 4.Working knowledge of the principles and components of ITIL.
- 5.Experience of technical research, strategic planning and implementation.
- 6.Relevant technical qualifications.

## NORTHAMPTONSHIRE POLICE

### MARKING SPECIFICATION

#### ESSENTIAL CRITERIA

6	5	4	3	2	1

#### DESIRABLE CRITERIA

#### **TOTAL**

#### KEY

- 1-Poor
- 2-Markedly less than acceptable
- 3-Slightly less than acceptable
- 4-Acceptable
- 5-Slightly more than acceptable
- 6-Markedly more than acceptable