**ROLE PROFILE**

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| **Role Title:** | Solutions Architect | **Leadership level:** |  |
| **JRN:** | 30103 | **Job family:** |  |
| **Band:** | 11 | **Location:** | Agile |
| **Allowances:** | As per contract | **Politically restricted:** | No |
| **Department:** | Digital Policing | **Vetting level:** | RV |
| **Reporting to:** | Enterprise Architect | **Date Published:** | September 2022 |
| **Posts responsible for:** | Allocated Staff |
| **Part A – Job Description**  |
| **Overall purpose of the role:** |
| To maximise value and exploitation of Digital Policing capabilities in the delivery of business services within Northumbria Police through an excellent understanding of Force business and technology strategies. To ensure the design and delivery of end-to-end IT solutions are of a high quality, in accordance with the appropriate architectural standards and support the delivery of the Force Vision  |
| **Key responsibilities of the role:** |
| **1** | Interpret and translate the business outcomes and functional capabilities required by the Force, and produce high level and low level technical solutions design that support the delivery of the Force vision and related project, and continuous improvement activities |
| **2** | Work in close collaboration with the Business Engagement and Technology partners to nurture and develop new ideas and innovative thinking and define technical solution options that meet the requested functional capabilities in support of the business case approval process |
| **3** | Lead a team of direct line reports who are responsible for the detailed system analysis and requirements elicitation of approved solutions, ensuring that a common approach to system analysis, design and testing is undertaken to the requisite quality and standards |
| **4** | Take responsibility to ensure all functional and non-functional risks within proposed solutions are identified and documented, and effective mitigating controls are defined and implemented |
| **5** | Work in close collaboration with the Enterprise and Domain Architects when designing solutions that cross technical, security, data and application boundaries to ensure that changes are designed, developed and delivered in compliance with standards and technology principles |
| **6** | Own the technical standards used across the Force and ensure effective governance is in place over the standard register to embed and drive standards compliance |
| **7** | Act as point of contact for resolution of any solution architectural/integration issues that arise with Force systems. Act as technology authority on all new solutions in order to support estimates for new projects or system enhancements and develop. Assist in Incident and Problem management, Root Cause Analysis and definition of technical solutions |
| **8** | Own, create and maintain system-level Solutions Design documentation, ensuring full governance controls have been adhered to and approvals obtained |
| **9** | Lead on the development, maintenance and publishing of principles, standards, guidelines and processes in support of solution architecture and design |
| **10** | Fully support projects and solution enhancements throughout the development and delivery lifecycle, providing assurance for the quality of deliverables.  |
| **11** | Work closely with the delivery teams to encourage continuous improvement in development, build, test and maintenance of systems, maintaining functional roadmaps for solutions. Continuously research emerging technologies and propose changes to the existing architecture as applicable to add value |
| **12** | Provide technical coaching and development of colleagues to create resilience and succession |
| **Part B – Scope of contacts**  |
| **Internal / External relationships:** |
| **Internal:** Digital Policing CIO,Solutions Delivery Manager, Technology Partners, Business Analysts, Business Systems Analyst Team, End Users, Force Transformation Team, Procurement and Finance Team, Enterprise Architecture Team, Digital Policing Team Leaders**External:** Third Party Suppliers, External End Users, Other Police Forces  |

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| **Part C – Competencies and Values**  |
| **Northumbria competencies and values framework (NCVF)** |
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| **Part D – Continuous Professional Development (CPD) role 6 months**  |
| **First 6 months** |
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| **12 months and beyond** |
| 5 |  |
| 6 |  |
| 7 |  |
| 8 |  |

**Part E - PERSON SPECIFICATION**

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| **Criteria** | **Essential** | **Desirable** | **How to be assessed** |
| Qualifications, knowledge and experience | Educated to degree level (or equivalent relevant experience) in Information Technology, Software Engineering or Computer Science; Experience of designing systems that meet the architecture principles and support the business outcomes;Broad and deep understanding and knowledge of information services and information technology; Demonstrable expertise in the use of appropriate tools/technologies for the design, development, build, testing and deployment of a wide range of applicationsExperience of Agile and Waterfall methodologiesSoftware delivery lifecycle experienceExperience of using an ITSM tool | Understanding of Digital Policing within Policing Knowledge of ITIL4TOGAF or Zacchman | Application/interview/CPD |
| Planning and organising | The ability to multitask and prioritise across a number of projects and initiatives |  | Application/interview/CPD |
| Problem solving and initiative | Demonstrable expertise in the use of appropriate tools/technologies for the design, development, build, testing and deployment of a wide range of applications;The ability to work independently and collaborate effectively across the ForceAbility to identify innovative tools and solutions to address a business challenge |  | Application/interview/CPD |
| Management and teamwork | A passion for developing others by identifying areas for improvements, and facilitating relevant training and CPD.Capability to offer consultancy, mentorship and advice in Solution Architecture approaches and strategiesLeadership and strategic management skillsSupport the appraisal, development and performance of staff, ensuring that they have the knowledge, skills and experience to achieve required standards and deliver consistency of approach to provide a professional and effective service. |  | Application/interview/CPD |
| Communicating and influencing | Excellent communication skills with the ability to present complex technical issues in a clear manner to both technical and non-technical audiences; |  | Application/interview/CPD |
| Other skills and behaviours | Experience of working in a fast-paced, rapidly changing environment | Experience of working in a public sector or police force environment | Application/interview/CPD |