



Role title:	Solutions Architect
Grade & salary:	M (£37,941 - £44,901)
Working hours/shift pattern:	37
Additional allowances:	No
Location:	Force HQ
Post reports to:	Programme and Projects Manager
Suitable for job share or part time:	Yes
Other considerations (e.g. travel)	Travel may be required around the country to suppliers and other emergency services teams.

Please note that, due to the nature of security checks undertaken, applicants will be subject to MV vetting and must have 3 years' continuous residency in the UK up to the date of the application and Home Office approval for indefinite leave to remain within the UK.

All successful applicants may be required to submit themselves for drug testing in line with the Force's Drug and Alcohol Policy.

Date last reviewed: 12/09/2018

Purpose and Description of Job Role:

This role is part of a team charged with delivering and enabling Digital Excellence across the Organisation. The Solution Architect will be responsible for the high level technical design of solutions, taking into account the existing and future architectures of the organisation. Any solution should have Privacy by Design and Security at its heart. The role is focused on the design of solutions, and is therefore hands off. You will be working with digital business analysts to understand complex business requirements and to deliver effective solutions that deliver against the change team objectives. You will be a team oriented person who can work in a fast paced, collaborative environment. You will be pro-active with the ability to continuously drive change to ensure that things are kept moving.

Specific Roles and Responsibilities:

- Designing solutions appropriate for customer requirement and the wider business.
- Innovative thinking to solve business challenges.
- To work with business and technology stakeholders to translate business problems into

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technical designs. Creates an optimal design through an iterative process, aligning the user need with the system requirements and organisational objectives.

- To ensure designs are aligned with the National, Regional and Local architectural principles.
- To design architecture taking into account security considerations.
- Understand and evaluate multiple platforms, software packages, and custom components to design the solution.
- Harvest reusable building blocks for re-use on other projects/programs.
- To have a cloud first approach in the design of architecture.
- To maintain awareness of developments within the wider technology landscape.
- Mentor our other team members, embedding the technical architecture strategy in their thinking and delivery, and encourage collaborative sharing of best practices and design patterns throughout the team.
- Review the technology landscape to bring in new ideas, support and encourage innovation. Lead ongoing appraisal of developments in technology and application systems and assess how these will impact our products, business and architecture strategy.
- To produce detailed component specifications and translates these into detailed designs for implementation using selected products.
- To review information systems for compliance with legislation and specifies any required changes.
- To ensure that the system design balances functional, service quality, security and systems management requirements.
- A strong ability to build relationships and work across IT and business functions.

Skills & Experience Required:

Essential:

- A degree or demonstrable work experience.
- Demonstrable experience of Solutions and/or Enterprise Architecture.
- Demonstrable experience in seeing the Big Picture and supporting organisational objectives, in moving to a digitally excellent organisation.
- Demonstrable experience of designing solutions within a secure network.
- Proven experience of collaboration, influencing stakeholders and managing relationships.
- Proven experience interacting directly with end users and third party suppliers.
- Proven problem solving skills.
- Demonstrable knowledge of modelling techniques.
- Demonstrate knowledge of relevant sub-systems, technologies, products and procedures to be able to provide solution design services for parts of bigger solutions or for solutions with limited architectural complexity.
- Familiar with web architectures, APIs, cloud infrastructure, SaaS, PaaS, DaaS, etc. and DBMS architectures, as required.
- Proficient at architecture tools & utilities, e.g. CaseWise, MS Visio, PowerPoint.
- Familiar with Compliance & Security - Security related Architecture.

Desirable:

- TOGAF Qualification.
- Evidence of working within an ISO 27001 environment.

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- Microsoft Azure Solutions Architect (MCSD)
- ITIL certified.
- Project Management methodologies such as Agile/PMP/Prince 2.

Personal Qualities:

We have identified nine competencies that help describe what effective behaviour looks like in Derbyshire Constabulary. These competencies illustrate how we put our Force's guiding principles into practice so that everyone understands what is expected of them in their day-to-day work:

Acting with Integrity: Is trusted and respected by others and is known as someone who does what they say they'll do. Understands the impact and consequences of doing (and being seen to do) the right thing, is happy to raise concerns and will challenge inappropriate or unethical behaviour.

Working with Others: Works to develop a positive team spirit and appreciates the value different backgrounds and experience can contribute to team success. Is approachable and inspires others to do their best. Treats others with dignity and respect, and maintains a positive, friendly outlook. Appreciates the contributions of others – and lets them know.

Problem Solving & Innovation: Uses experience, creativity and common sense to solve problems practically and innovatively. Makes sure they fully understand the problem, its cause and implications. Seeks the input and views of others. Weighs up options to make sure the solution they choose is the most effective and makes good decisions in a timely way.

Planning and Organising: Is clear about their goals and creates plans and processes that are targeted at the right priorities – those that will truly deliver the most value. Copes well with change and uncertainty, knows that it's not always possible to get the full picture or remove every risk before taking action.

Communicating & Influencing: Presents written and verbal communication in a clear and effective way. Puts across points of view persuasively, but keeps an open mind and is willing to change their position if sound arguments are presented back.

Personal Development: Takes opportunities to improve their skills, knowledge and experience. Gives and seeks constructive feedback to help them and others develop successfully.

Delivering Results: Delivers what is needed when promised. Enjoys adding value, knows what needs to be done and stays focused. Identifies issues or obstacles that could prevent or delay getting things done and takes appropriate action.

Customer Focus: Knows how they personally support the service we provide to the public. Is absolutely passionate about adding value for the public and internal stakeholders, improving processes and removing unnecessary cost and waste. Understands how their attitude and behaviour impacts on public perception of the service we provide.

Operational & Technical Awareness: Keeps well-informed and knows what internal and external factors could impact on our performance. Promotes and pushes activity that improves performance and our service to the public. Is knowledgeable and effective in their area of expertise.

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