JOB DESCRIPTION & PERSON SPECIFICATION

Director Area: Resources / ICT & Digital	**Job Ref Number:** 04538
Service Area: Strategy, Architecture & Product	**Grade:** G 10
Job Title: Technical Architect	

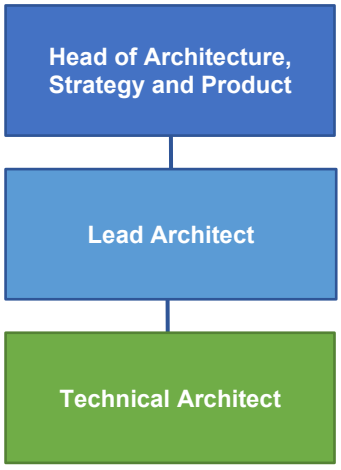
PURPOSE OF JOB:

Reporting to the Lead Architect, the Technical Architect provides practical technical architecture advice and guidance to software engineering teams, helping them design, build and improve secure, accessible, reliable and maintainable digital solutions. The postholder works within agreed architecture principles, standards, patterns and governance, supporting Solution Architects by translating approved solution direction into actionable technical designs, options, technical stories and implementation guidance.

The role works closely with Software Engineers, Business Analysts, Product Owners, Strategic Business Partners, testers, cyber security, information assurance, infrastructure and service teams. It supports technical discovery, evaluates proportionate implementation options, identifies dependencies and risks, reviews technical outputs and helps resolve delivery issues, escalating material architecture, security, data or investment decisions to the Lead Architect or a Solution Architect.

The postholder will maintain a good working knowledge of modern software architecture and engineering practices. This includes the responsible use of Council-approved AI-assisted software development tools, DevOps and continuous delivery concepts, and infrastructure as code where relevant. The role contributes to consistent engineering practice and knowledge sharing but does not own enterprise or solution architecture strategy, set Council-wide architecture policy, or provide line management.

STRUCTURE CHART:



Key peer and matrix relationships: Solution Architects; Software Engineers; Business Analysts; Product Owners; Strategic Business Partners; Test and Quality Assurance; Cyber Security; Information Assurance; Infrastructure and Service teams.

MAIN DUTIES:

1	**Technical architecture advice** Provide day-to-day technical architecture advice to software engineering teams, applying approved principles, standards, patterns and roadmaps. Help teams understand technical constraints, dependencies and the implications of delivery choices, and refer matters outside delegated authority to the Lead Architect or relevant Solution Architect.
2	**Technical discovery, innovation and designLead technical discovery for assigned initiatives, working with Business Analysts, Product Owners, Strategic Business Partners, engineers, service representatives and senior stakeholders to turn business outcomes into technical designs. Create and evaluate new implementation approaches where established patterns do not adequately address the problem, producing options, diagrams, non-functional requirements, decision records, technical stories, acceptance criteria and implementation guidance.**
3	**Software architecture and engineering practice** Advise on modern application and software architecture, including modular design, APIs,

	integration, data flows, cloud services, resilience, observability, maintainability, accessibility and supportability. Promote reuse and proportionate management of technical debt.
4	**AI-assisted software development** Support the responsible use of Council-approved AI-assisted development tools for analysis, design, prototyping, coding, refactoring, testing, troubleshooting and documentation. Ensure generated outputs are reviewed and tested, and that security, privacy, accessibility, licensing, intellectual-property, bias, transparency and quality risks are identified and managed.
5	**DevOps, automation and infrastructure as code** Advise teams on source control, continuous integration and delivery, environment management, automated testing, release controls and observability. Contribute to infrastructure-as-code approaches and reviews where these form part of the approved solution, working with infrastructure and platform specialists.
6	**Technical assurance** Exercise delegated technical authority for assigned work by reviewing designs, code-level approaches, interfaces, configuration and technical documentation against agreed requirements and standards. Determine the evidence and remediation required, require correction of material technical non-compliance, and withhold a technical recommendation to progress where unresolved concerns would create unacceptable delivery or operational risk, escalating formal risk acceptance or material deviation to the relevant accountable authority.
7	**Security, data and compliance** Apply secure-by-design, privacy-by-design and accessibility principles. Work with Cyber Security, Information Assurance and data specialists to identify risks and ensure solutions follow approved controls for identity, data handling, integration, logging, retention and operational support.
8	**Delivery support and problem solving** Resolve complex and novel technical issues arising through refinement, prototyping, testing, release readiness and incident learning. Independently evaluate options and trade-offs within approved guardrails, determining the technical approach for assigned work and recognising when specialist advice or a formal architecture decision is required. Decisions and recommendations may affect the security, resilience, operability, accessibility, cost, timescale and technical debt of services used across the Council.
9	**Organisation-wide collaboration, influence and supplier engagement** Work across Council services and with external suppliers and delivery partners, presenting complex technical options and recommendations to senior, technical and non-technical stakeholders. Influence delivery and investment choices through evidence-based advice, reconcile conflicting requirements, provide constructive challenge to supplier proposals and support architecture and governance decision-making within delegated authority, while referring commercial commitments and strategic decisions to accountable senior roles.
10	**Documentation and knowledge sharing** Create and maintain clear technical documentation, patterns, decision records and implementation guidance. Share knowledge through reviews, demonstrations, coaching and communities of practice to improve consistency and engineering capability.
11	**Continuous improvement and professional practice** Keep knowledge current across software architecture, AI-assisted engineering, DevOps, cloud and infrastructure-as-code practices. Identify practical improvements to delivery methods and standards, contribute to governance forums when required, and manage a varied workload in line with agreed priorities.

PERSON SPECIFICATION

Requirements	Where identified*	Essential	Desirable
Relevant degree, professional qualification or demonstrable equivalent experience in software engineering, software architecture or a related technical discipline.	A	X	
Practical experience of software development or technical design within a controlled delivery lifecycle.	A, I	X	
Good working knowledge of modern software architecture, including APIs, integration, data flows, cloud services, resilience, observability, maintainability and supportability.	A, I, T	X	
Experience working with Software Engineers, Business Analysts and Product Owners to translate needs into technical designs, stories and acceptance criteria.	A, I	X	
Ability to analyse technical problems, evaluate options and explain trade-offs, risks and recommendations clearly.	I, P	X	
Understanding of secure-by-design, privacy-by-design, accessibility and information governance principles.	A, I	X	
Experience of source control, DevOps, CI/CD, automated testing, change and release practices.	A, I, T	X	
Understanding of responsible AI-assisted software development, including validation of outputs and management of security, privacy, accessibility, licensing, intellectual-property, bias and quality risks.	I, T	X	
Experience creating and maintaining technical documentation, diagrams, decision records and implementation guidance.	A, I	X	
Effective written, verbal and presentation skills, with the ability to communicate technical information to varied audiences.	I, P	X	
Ability to collaborate across multidisciplinary teams and provide constructive technical challenge.	I	X	
Ability to organise a varied workload, respond to changing priorities and recognise when risks or decisions require escalation.	A, I	X	
Practical knowledge of infrastructure as code and cloud platform automation.	A, I, T		X
Experience of Microsoft Power Platform, Microsoft Fabric, Azure services, Dynamics 365 or Microsoft 365 extensibility.	A, I		X
Experience of technically reviewing supplier-built solutions or components.	A, I		X
Relevant certification, such as Azure, Power Platform, DevOps, software architecture or an equivalent professional qualification.	A		X
Knowledge of Government Digital and Data Profession capability expectations or comparable professional standards.	A, I		X

*A = Application form T = Test/Assessment I = Interview P = Presentation

GENERAL

The postholder is required to take personal responsibility for contributing to organisational transformation and changes in ways of working, maximising the benefits and efficiencies for both internal and external customers, including the promotion and use of self–service to achieve maximum cost effectiveness.

The postholder is expected to work to the Lincolnshire County Council Core Values and Behaviours and to carry out the duties in accordance with Lincolnshire County Council policies.

Other Duties - The duties and responsibilities in this job description are not exhaustive. The post holder may be required to undertake other duties within the general scope of the post. Any such duties should not substantially change the general character of the post. Duties and responsibilities outside of the general scope of this grade of post will be with the consent of the post holder.

Safeguarding -. All employees need to be aware of the possible abuse of children and vulnerable adults and if you are concerned you need to follow the Lincolnshire County Council Safeguarding Policy. In addition employees working with children and vulnerable adults have a responsibility to safeguard and promote the welfare of children and vulnerable adults during the course of their work.