Job Description
Senior Architect, Cloud & DevOps

CARNIVAL UK

Role Description:					

The Senior Cloud Architect role is to develop and promote the strategic, business-aligned cloud approach for Carnival UK. To engage effectively with key Business & Technology stakeholders, to understand key business initiatives, and then guide the stakeholders to a commonly agreed cloud architecture. In particular to ensure this is done with robust, future-proofed yet affordable cloud services in place (for communications, network, compute, storage and specialised).

RUI:		**Grade:**	CUK06	**DBS check required:**	Basic
Directorate:	Carnival UK Shared Services	**Reports to:**	Director, Enterprise Architecture & Governance		
Function:	Carnival UK Technology	**Team:**	Technology Architecture & Engineering - Enterprise Architecture & Governance		

Direct reports :	**Job Titles & Level**
	• N/A

Accountabilities:

Strategic Leadership

- Design, deploy, and migrate systems for IaaS, PaaS, and SaaS environments.
- Identification and aid the selection of appropriate cloud services based on business and IT requirements and constraints.
- Triage and resolve Cloud related issues and incidents i.e. connectivity with CUK data centre, sister companies and 3rd parties connected to CUK applications, and take them to closure.
- Interface with Solution Architects & Enterprise Architects and keep them informed about key changes planned to the cloud environments (routing, new services, security etc) and provide support to get new designs approved by the Technical Design Authority (TDA).
- Assist in building environments in the cloud ahead of time & help support and maintain environments by leading the infrastructure support supplier.
- Continuously monitor the cost of the cloud environments and implement policy and changes with the support supplier to get the best cost efficiencies.
- Provide support for cost estimates for projects going to cloud.
- Design and create the DevOps pipeline for CUK and help customise it for particular projects.
- Direct or indirect involvement in the development of cloud policies, standards and guidelines that direct the selection and use of cloud services within the company.
- Conduct cloud architecture reviews and audits across the group for compliance with infrastructure strategy, agreed standards and principles.
- Develop a deep understanding of the different business models operating across the company and provide or assist in developing a roadmap to bring these different models onto a commonly agreed and secure future state architecture in the cloud.
- Aid the Architecture practice in defining and presenting the strategic use of Cloud services to senior stakeholder in order to support the overall CUK Technology Strategy.
- Align Cloud Architecture efforts with Enterprise Architecture and other infrastructure counterparts to ensure overall alignment of architecture components.
- Participate in thought leadership initiatives and represent Carnival UK at industry events where required.
- Work closely with Solution Design teams to support the cloud landscape blueprint delivery.
- Provide market knowledge and insights on contemporary technologies and options for investment.
- Promote use of cloud services where appropriate and when a reduction of the TCO can be proven or measured

alongside improvements in organisation agility.

Team Interactions
- Build employee knowledge and skills in specific areas of expertise.
- Provide consultancy services to business customers helping them to determine optimum approaches to solve business problems and meet business needs.
- Develop and maintain a network of relationships within Carnival UK, with vendors, and with other organisations required to provide relevant information on emerging trends in the business and IT.
- Coach and mentor architects in the delivery of cloud architectures.
- Propagate and maintain good relationships with internal and external stakeholders.
- Proactively encourage an environment promoting collaboration, communication, knowledge sharing and openness.

Technical and Professional Responsibilities
- Provide technical leadership for developing cloud roadmaps, and consulting services to lead the company in the direction of a commonly agreed cloud approach.
- Maintain a deep and wide understanding of company systems, services and capabilities landscape, and interaction of those systems in the legacy landscape and in the future state architecture.
- Provide cloud architecture support for new initiatives and develop a business-aligned cloud architecture, which provides and supports business agility and effectiveness.

Health, Environment, Safety, Infrastructure (HESS) Responsibilities:

- Lead by example by taking care of the health and safety of yourself and others.
- Report all accidents, 'near miss' incidents and work related ill health conditions to your manager, team leader.
- Follow safety rules and procedures.
- Use work equipment, personal protective equipment, substances, and safety devices correctly.
- Take part in safety training and risk assessments and suggest ways of reducing risks.
- Appoint shore side risk assessment Subject Matter Experts as required to review and approve risk assessments.
- Actively promote safe working within your team and encourage safe behaviours.
- Demonstrate safety leadership in accordance with our safety leadership behaviours.

General Responsibilities:

- Adhere to Corporate Policies and Procedures, including Code of Conduct, Audit Procedures and any control related responsibility for financial data entered, stored, or reported via business systems within employee's control (list not exhaustive).

Scope:

Problem solving:
- The Architect will be expected to reason cloud requirements against technical and organisational constraints, business and IT strategy and other influencing factors, to derive infrastructure designs that address the explicit requirements for change and the broader requirements / constraints of the organisation.
- The Architect needs to understand the respective internal and external delivery capabilities for the realisation of the cloud solutions they design, and agree delivery processes that exploit these capabilities appropriately and respects their constraints (e.g. skills, capacity, commercial).
- Given the diversity that exists within our business(es) and the potential solutions that the group, its partners and IT industry has to offer, the Architect needs to navigate a complex array of solution options to identify those that can be delivered in a pragmatic, secure way.

Impact:
- The Architect provides a single point of contact for Infrastructure Architecture on projects and programmes, being able to account for the infrastructure design of a solution and its alignment to Enterprise Architecture, infrastructure and other standards.
- The Architect develops cloud solution designs that can be understood by the sponsors for change (e.g. business stakeholders) and the respective delivery functions that will be responsible for delivering this.
- The Architect is accountable for all aspects of a solution's infrastructure design through-life and will where necessary delegate and govern the development of solution designs by subject matter experts (internal and external).

Leadership:

- The Architect owns and can demonstrate a passion for the cloud solutions they have developed that will be witnessed through their articulation of the solution's design and the reasoning behind it.
- The Architect acknowledges that for solutions to be successfully delivered they need to work with a cross section of stakeholders and as such will communicate effectively to drive consensus and address concerns.
- On assigned projects, the Architect will be expected to engage in all cloud design activity, coordinating design tasks within the context of the high level solution design and aligning these to the overall project schedule.
- Throughout design, the Architect supports and explains cloud designs through to conclusion via the appropriate authorities (e.g. Technical Design Authority) and with all of the stakeholders concerned.

Demonstrable Behaviours:

- Guest and customer centric approach, passionate about enhancing the service being offered across the team.
- Natural collaborator, energetic and enthusiastic about cross functional delivery.
- Strong communicator in all its forms across all levels of the organisation.
- Always looking for ways to improve personally and to the way things work.
- Focussed on prioritising the right things and planning to ensure success.
- Decisive, 'can do' attitude whilst maintaining a clear focus on problem solving and seeing action through to delivery.

Knowledge, Experience and Qualifications::

Qualifications – essential:

- N/A

Knowledge/ Experience – essential:

- Prior experience of architecting, designing, building and supporting AWS / Azure for a minimum of 4 years and certified with the respective providers.
- A broad range of technologies and pragmatic architectural approaches.
- Strong understanding of architectural methodologies / frameworks.
- Experience of evaluating and recommending new cloud services and platforms in response to business needs.
- Experience of a variety of technologies and implementations, ideally to include virtualisation, web/digital, cloud services (e.g. AWS; Azure), integration, satellite communications, converged networks (including IPTV, VOIP, VoWLAN and CCTV) and mobile.
- Experience of procurement, governance and assurance of third-party solutions alongside broader supplier / partner management skills.
- Proven background delivering cloud based solutions and compliance projects in multinational organisations.
- Experience of working in distributed multicultural teams with offshore based services providers.
- Experience delivering large scale, multi-project technical solutions throughout the entire development lifecycle from inception to operation.
- Experience guiding highly technical staff and outsource teams, working on multiple projects towards a common end goal throughout the development lifecycle.

Qualifications – desirable:

- Educated to degree level in a relevant area, e.g. Computer Sciences.
- Related professional qualifications e.g. TOGAF.

Knowledge/ Experience – desirable:

• Experience governing the architecture of large scale multi-part architectural developments.	

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REWARD ONLY	Grade:	RUI:	Date Approved:		Initials: