Omar Masood

Cloud Architect | Network Architect | Platform Architect | SME: Network/Cloud & NSX

22 Years Exp | 13 Years Design Exp | 19 years CCNP (x3) | 2x VCIX (NV + DCV) | AWS | Hybrid Networks

Ilford, Essex | 07931 757177 | [omarmasood360@gmail.com](mailto:omarmasood360@gmail.com) (Available immediately)

Contract term minimum 3 months | Location: London preferred or EU

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**Profile**

A **dedicated, results-focussed and hard-working** IaaS/PaaS Architect with extensive working experience within the Public, Private and Financial sectors. Vast knowledge in **end-to-end architecture**, transformation projects, **requirements analysis**, network design, **solutions implementation**, issue resolution, **infrastructure deployment**, cost savings, data infrastructure, organisational growth, staff development and **E2E**. Cloud-scale IaaS, PaaS & XaaS infrastructure development from initial creation & development to general business offering.

Currently seeking a challenging Cloud, Engineer, Lead Architect, Network Designer, Solutions Architect/SME, Technical Lead/Manager, Program Manager or Head of IT role.

Skills Matrix

Network architecture | network design | cloud-scale platforms | technical management | technical architecture | E2E | network infrastructure | infrastructure design | infrastructure management | infrastructure implementation | infrastructure upgrade | infrastructure modernisation | network solutions | IT management | business solutions | technical solutions | solutions delivery | solutions implementation | project management | project delivery | infrastructure transformation | transformation projects | infrastructure systems | problem management | issue resolution | troubleshooting | relationship management | people management | staff development | budget management | cost savings | cost reduction | increased revenues | data infrastructure | infrastructure deployment | organisational growth | business process analysis | requirements analysis | end-to-end infrastructure | infrastructure platforms | IaaS | PaaS | private cloud | public cloud | Financial Services Technology | FinTech

Personal Attributes

* Ambitious Architect with outstanding strategic vision and professional application.
* Hardworking, trustworthy and results orientated with clear focus and direction.
* A good team leader who isn’t afraid of hands on involvement and responsibility.
* Talented and able to add value whilst enhancing creative vision.
* Confidently interfaces with clients to maintain and increase customer satisfaction.
* Utilises initiative and drive to instil passion and intelligence into every task undertaken.
* Positive thinker with the capability to motivate teams at all levels.
* Understands the importance of achieving targets, cost efficient and surpassing client expectations.

**Career History**

Quantile – **Cloud Architect (Public Cloud & Hybrid Platforms) Jul 2018 – Current**

Principle & Lead Architect for FinTech AWS platform research, design, development & implementation. SME for Cloud, Data, Compute, Storage & E2E infrastructure. Working closely with C-Level management on Cloud-first initiatives.

Other duties / achievements include:

* Tasked with documenting the undocumented current Production & Development infrastructure. Creation of immediate critical improvement recommendation road-maps. Assumed mentoring of all things Cloud E2E.
* Lead the creation of Summary documented, brochure, to be delivered to all Tier-1 Financial Banks, detailing the intended new AWS platform, data security models including multiple wrappers such as data in transit, at rest, regional demarcation points for data sovereignty (e.g. sensitive data never leaves North America).
* Authored the Quantile Reference Architecture, detailing how the AWS & specifically services of interest will be consumed by business of a standard level, before any customisations to the business itself.
* Designed a new platform based on AWS, Quantile Solution Architecture, covering all Cloud related uses. Complete remodelling of fundamentally how the AWS was to be consumed. Design validated by AWS Professional Services & Quantile partners First Derivatives (FD), no improvements or suggestion were made to modify the design. Re-certified as AWS Certified Architect Associate.
* Lead Implementation Engineer. Creation & implementation of designed solution. Responsible for configure-once IaaS setups, CloudFormation template, remodelling of AD, DevOp tools, business tools & services.

Atos/Canopy – **Network Architect (Public & Private Cloud) Jan 2015 – Apr 2018**

R&D architect for new products, platforms & services for Public Clouds (AWS) and Private Cloud (Canopy-branded Atos Cloud solutions). **SME | Subject Matter Expert for Cloud platforms responsible for 80% of revenue from Cloud business offerings. Cloud platforms products were repeatedly deployed at Cloud-scale. HLDs/LLDs/BIGs/QA Testing/SOPs/SRRs/PIDs/BOMs/SDs/UIGs.** Roles/duties served within project streams included consultancy services for proprietary platform solutions based on road-maps/customer requested features, taking ownership of product/feature deliverables from road-map to production BAU, workshops with internal teams and customer teams, maintain a 90% billable time rating, deciphering complex solutions for business buy-in & knowledge transfers to internal/customer teams. Contract budgets ranging from £1m to global cloud scale business solutions.

Other duties / achievements include:

* Assumed ownership of Enterprise Private Cloud – Microsoft (EPC-M). Transformed the platform from private-cloud to Azure-Cloud. Enabled deeper devops working practices with Agile/SCRUM.
* Lead Architect. Owned the Canopy Cloud Integrated Platform (CCIP), global platform that forms the basis & encompasses all private Cloud platform services. Leased to multiple projects to provide technical oversight to achieve road-map objectives, support meeting major milestone deliverables & meeting shortened delivery schedules. Atos Datacentre Network (ADCN) SME for USA/NA & EU.
* Principle architect for greenfield Development, Test & Acceptance (DTA) platform, used for development of all Private Cloud products. Developed a highly automated multi-tenant, multi-platform-version lab for enterprise-wide SDLC . Platform included EPC-V, EPC-M, CIS/TAI & transitional DDC, One IaaS platforms with Service Now. Re-certified Cisco accreditations.
* Proof-of-Concept (POC) for V-Block based business platform transition to VMware NSX. Achieved VMWare Certified Professional & Implementation Expert – Network Virtualisation (VCP6-NV & VCIX6-NV) (self-funded)
* Platform Lead & Hybrid Architect. Worked on the first revision of Atos Amazon AWS Cloud, turn over to service completed on March 2017. Philips signed as primary customer to Managed Public Cloud – AWS service. Gained Amazon AWS Certified Architect Associate certification.
* Lead network and platform architect. Digital Private Cloud (DPC). Principally charged with DR/BCP services, Atos Bullion pilot development for hyper-compute services, DPC on VxRack for Hyper Converged solutions & CommVault backup pod-based platforms. Achieved VMware VCP6-DCV, VCAP6-DCV Design & Deployment certifications, culminating in achieving VCIX6-DCV status (self-funded).
* Cisco Nexus 3K/5K/9K, ASR 1K/9K, vASA/ASA, CSR 1K. Juniper vSRX/vMX, QFX5100, Dell Bullion S4/S8/S16, R630/R730. Dell EMC VxRACK Flex & SDDC. Hybrid & non-virtualised HCI bespoke Pod-based solutions.

VCE V-Block (Juniper/Cisco & NSX based). VMware vSphere 6.0 & 6.5. VMware NSX v6.2+. MS SharePoint. Altlassian Jira, Confluence & Bitbucket. AWS, Azure & GCP. Bespoke Pods based on Dell/EMC/HP/Cisco/Juniper & VMware with variations. EMC/NetApps SAN internetwork platform designs & native expansions/integrations. Majority of solutions certified by vendors as officially endorsed & supported.

Brinks – **Network Infrastructure Architect (Global Infrastructure Strategy) Jan 2014 – Nov 2014**

Global Network Architect responsible for planning, costing & designing global platforms associated business services.

**Acting the centralised focal point for regional & global strategic solutions, cost reductions via renegotiations of existing contracts, centralising spending budgets, architecting platforms to increase revenue and driving business efficiency through demonstrable instant monetary & resource savings.** Other duties / achievements include:

* Architected & financially evaluated FITTS BIMS platform (ATM/Cashmachine monitoring & money flow automation for financial institutions such as Carrefour & Rabobank). Leading contribution recognised by the business, increasing profile, awards and certificates. Attended appreciation tour to Dallas/Texas.
* Introduced Global Network Alignment, a global initiative to consolidate MPLS & Internet ISPs. Brink’s first truly global DCs in IBM DC (France) & KIO DC (Panama).
* Architected & financially evaluated IBM global DC, based on physical firewalls, distributed WAN Aggregation platform, VPN Aggregation platforms, complete software-defined-datacentre (SDDC) LAN/DMZ internetwork. Technologies include VMware NSX, Cisco, Palo Alto & tier-1 ISPs.
* Performed global network analysis & created roadmap for Office365 migration for Brink’s globally. Negotiated contracts, cost savings and ensured legal responsibilities as an enterprise were maintained. On completion, Brink’s had visibility of every single MPLS & Internet link and related statistics for all physical links globally, previously this level of information had simply never existing in recent times.
* **Responsible for R&D for strategic solutions**, lead on Proof-of-concept (POC) on 2015 initiatives.
* Evaluated global Root Cause Analysis (RCA) events for major outages and presented independent reports to CIO, CTO & regional Directors. Cultural shift in thought and approach to traditional solutions evangelised.
* Advised companies under the Brink’s banner on strategic solutions & how to use technologies.
* **Consulted & advised on long-term strategic transformations, remodelling & trending technologies**

MDKonline Ltd – **Network Infrastructure Manager / Network Technical Architect (Contract) Apr 2011 – Jan 2014**

Technical Architect responsible for planning, designing and creating MDKonline.com and associated business platforms from scratch. **Created a distributed network infrastructure** based in UK, Germany and Central Asia to **run the business from end-to-end** based on Cisco Nexus 7k (OTV to ASRs), 5k with 2k FEX (vPC), 6500s SUP720/SUP-2T + ASA SM + ACE, 4500s, Cisco ASA 5545-X’s, Cisco 3750 Metro, DMVPN, CWDM, OSPFv2, EIGRP, managed Linux servers, Cloud-based services, self-managed hosted servers and Apple iPad / iPhone (iOS). Distributed back-end services based on Linnworks, Filemaker Pro and bespoke HTML 5 management systems. **Achieved Cisco Certified CCNP Service Provider**. Other duties / achievements as Technical / Network Architect include:

* Design and Built out 2 Datacentres UK, re-engineered 3x Data Centres in Germany based on CWDM, VMware Layer 2 ring, Fujitsu Legacy Mainframe / GRE + DMVPN solution and initial phase to move to SAN storage
* **Designed, implemented and managed** bespoke Multicast Spare-Mode solution for business services, MPLS VPN core with VPLS Layer 2, Pseudowire E-Line/VPWS/ERS and IPSEC encrypted on-demand services
* **Designed, deployed and managed** the complete MDKonline network infrastructure and all associated systems. Re-certified CCSP and CCVP, gained CCNP Security & CCNP Voice Certifications
* Directly hired and Managed a team of **20 local staff, 20 staff in Asia and 10 staff based in Europe**

Advanced365 - **Senior Network Consultant /Network Design Engineer Oct 2009 - Apr 2011**

Managed all work streams and **assumed technical authority** over the managed service providers largest client. Delivered CCM major milestones 1, 2 and 3 on time and avoided steep contractual fines. **Awarded £5k additional bonus** to show appreciation of dedication and hard work. Designed, configured and implemented CCM 3rd Party Market Data services for Bloomberg (BGP/OSPF based solution), Thomson Reuters (3000Extra and Tradar, Oasys Global, Datastream), Bank of New York (BNYM) platform for Rufus service, Swift SMA, Charles Rivers / FIX, IPC ION and Internet Application Services (IAS). Other Network Consultant / Technical Lead duties included:

* Designed and deployed CWDM fiber ring solution for BSG to safe guard competitive edge in offering services
* **Designed a complete Data Centre infrastructure** and re-designed existing DCs to consolidate and improve the current internetwork and provide enhanced services while keeping costs to a minimum
* Managing, monitoring, providing support and troubleshooting for BSG’s Internet Service Provider, BSG’s Managed Service, Customer Local Area and Customer Wide Area Networks for Voice and Data
* Understanding and **adhering to multiple standards** such as ISO27001, FSA regulations, UK Data Protection Acts / Laws for different clients in diverse fields of business
* Worked in a Pre-Sales Technical Lead. Achieved 7 new multi-year client contracts signed in 2010
* Responsible for the Cazenove Capital Management / JP Morgan network design

Intact Integrated Services - **Consultant / Designer (Contract) Sep 2009 - Oct 2009**

Contracted to complete HLD / mid and low level design solutions and roadmaps for Proctor and Gamble **international network modernisation and transformation project**. Assessed site surveys, site books and numerous sources of information, extrapolating the required information to create design solutions with bespoke customisation. **Dealt with multiple stakeholders** and interested parties on a daily basis.

Attained Cisco CCNA Voice and CCVP certifications **Jun 2009 - Sep 2009**

BT Plc - **Architect / Solutions Designer (Contract)** **Jan 2007 - May 2009**

Solutions Architect responsible for **designing end-to-end infrastructure platforms** and implementing the core network services. Designed QoS policies for DiffServ / IntSer services using L2 / L3 technologies which became BT Design standard. Created Virtualised / Unified Data Centres (UDC / VDC) for public and private business services business divisions (Cisco, Juniper (JUNOS / T320) and Checkpoint (IP350 / NGX) using MPLS / VPN with M-BGP, OSPF, EIGRP routing protocols and static routing, HP C7000 enclosures with 680 and 460s blades. DCs (Data Centres were also used to migrate mission critical 20CN services, no downtime was permissible to the actual live service itself (0% downtime) with actual implementation time range limited to a few minutes. Produced HLDs and **detailed deployment designs**, creating architecture overview designs to low level blueprints with configuration scripts for implementation of entire infrastructure platforms and associated good-neighbour networks, provided 3rd line support as needed. Additional Solutions Architect responsibilities and achievements included:

* **Owned several complete Enterprise platforms** for some of the largest companies in Europe including Cisco Systems (virtualised infrastructure services), Microsoft (messaging and integrated communications) and HP (virtualised infrastructure based on blade technologies and Web / DB / Data-As-A-Service)
* Technical Lead for BT Digital Vault (as seen on TV adverts) and several high profile platforms created for all BT sub-divisions. Last platform was BT Infinity (internally referenced as IV and INVT, FTTP / FTTH)
* **Designed and developed Data Centre Networks**, the management infrastructure for all UK based DCs

Block Solutions Ltd - **Network Consultant (Contract) Jul 2006 - Oct 2006**

Network Consultant appointed to provide consultancy for converged networks to support a start up business. Lead Designer and Project Manager for a **large network modernisation programme** including auditing the existing network, completion of a comprehensive gap analysis and the creation of delivery road map. The network was based on MPLS / VPN with M-BGP/OSPF. Also identified significant issues with existing fibre network, compounded by the network being undocumented and over 20 years old. Other Network Consultant duties included:

* **Redesigned infrastructure** to mitigate risks from audit and expanded project scope, accommodating changes
* Designed a new Data Centre for the Guys and St Thomas trust, successfully securing the underwriting of the design by Cisco Advanced Services at the first attempt

London 2012 (Olympic Delivery Authority / LOCOG) - **IP / Network Consultant (Contract)Feb 2006 - Apr 2006**

Appointed to provide IP expertise to facilitate expansion and **organisational growth plans**. Successfully supported the projected rapid increase in network size with phased implementation of network infrastructure to meet the potential growth surge. Defined the entire organisations voice and data integrated communications strategy and **managed existing solutions** including wire VoIP networks. Also **designed and implemented a general security policy** with active controls for information governance and potential hostile server penetration.

Additional responsibilities and achievements as Network Consultant included:

* Researched / created proposals for a scalable token based infrastructure to prepare for remote access users
* Created ad-hoc software support for technical support team, **providing 2nd and 3rd line support** issues and training to complement the existing team skill base

Serco Solutions Plc - **Network / Technical Consultant (Contract)** **Aug 2005 - Dec 2005**

Defined network architecture and provided design consultancy for regional government and local authorities **providing accurate documentation to Prince2 Methodologies**. Re-designed private and public dark fibre optical WAN network nationwide to provide Internet and VoIP ready communications to support e-governments initiatives. Also researched a £200k intrusion detection (IDS) enabled network to improve security. Other duties included:

* Evaluated / modified the network policy to enable increased focus on internal and external network security
* Compiled detailed case studies and learning examples to support permanent technical staff
* **Completed a migration project** from existing static IP address networks to DHCP/DNS enabled network with a significantly improved level of layer 2/3/4 and server security

Vanco Plc - **Technical Lead (Contract) Apr 2005 - Jul 2005**

Technical Lead responsible for designing, developing and implementing technical architecture and strategies supporting global network rollouts. This involved managing projects from design to customer acceptance sign off. Personally responsible for the Ford **European network implementations** on UK, France, Hungary and Italy, all of which were delivered accurately and on schedule. Other Technical Lead duties included:

* Coordinated projects maintaining precise plans and documentation utilising Remedy and Documentum
* **Provided 3rd line technical support** which included troubleshooting network solutions to ensure customer satisfaction for end-to-end project lifecycle delivery

Heathmill Multimedia Ltd - **Head of IT** **Dec 2004 - Mar 2005**

Jenice International Ltd - **Operations Manager Feb 2001 - Dec 2004**

FrontRunner Solutions Ltd - **Consultant Sep 2000 - Feb 2001**

Computer Skills Centre - **Cisco Engineer May 2000 - Aug 2000**

Jenice International Ltd - **Consultant Jan 2000 - May 2000**

Donaldsons - **Senior Technical Support Officer Nov 1999 - Jan 2000**

Woodland Fashion Ltd - **IT Support Analyst Jun 1997 - Nov 1999**

**Technical Skills**

* VMware Certified Implementation Expert – Network Virtualisation: VCIX-NV + VCIX6-NV
* VMware Certified Professional – Network Virtualisation: VCP-NV + VCP6-NV
* VMware Certified Implementation Expert – Network Virtualisation: VCIX6-DCV
* VMware Certified Advanced Professional – Datacentre Virtualisation: VCAP6-DCV Design & Deployment
* VMware Certified Professional – Datacentre Virtualisation: VCP6-DCV
* Amazon AWS Certified Architect – Associate (ACAA)
* CCNA, CCDA, CCNA Voice, CCNP, CCNP Service Provider + CCIP, CCNP Security + CCSP, CCNP Voice + CCVP

(All certifications valid 2019)

* Cisco Certified: CCVP (previously held), Firewall Specialist (CFS) and VPN Specialist (CVPNS), Information Security Specialist (CISS) and IPS Specialist (CIPS), Cisco Advanced Wireless LAN Design Specialist (CAWLANDS), IP Communications Express Specialist (CICES)
* CISCO Networks: CCIE written exams R/S (350-001) and Security (350-018). Lab attempted previously.
* BGP/MP-BGP/MBGP, MPLS/VPN, DMVPN and Multicast
* TCP / IPv4: OSPF, IS-IS, EIGRP, RIPv2 and ISIS. IPv6
* LAN / WAN: T1, DS3, DSL, ATM, FR, ISDN, VPN, VOIP / IPT, GSR/XR, C6500, C3750/3560/3550, C2950 C2960,CSS11500, ASA/PIX, FWISM, CSM, SUP720, IOS 11.3+, ACE, IDS, 10GB Ethernet, IDSM-2, 2600, 2800, 3600, 7200
* Cisco Wireless networks or WLAN: 2100 / 4404 Controllers, 1k (1100, 1200, 1300, 1400) series APs. WiSM and WLSE inc Express
* MCSE NT4.0, MCSD, A+, Windows (95/98/2k, XP, Vista , 2003, 2008, 7and 8), MS Office, Linux and Unix, MAC OS X 10.5+, BackTrack 3.0 (OSCP trained), Ubuntu
* VMware, Checkpoint / Nokia, HP Openview, CiscoWorks, Spectrum, Remedy, Smarts, Rancid, Vital Suite, MRTG/Perl, Websense, QIP, LiveLink, Clarify/Clarity
* HTML5, C#, Unity3D/Unity 4, Shopify, Linnworks, Photoshop, After Effects, Dreamweaver

**Education and Professional Development**

**2015 – 2017:** VMware VCP6-DCV, VCP-NV, VCP6-NV, VCAP6-DCV Design & Deployment, VCIX6-NV & VCIX6-DCV. AWS Architect Associate. Agile SCRUM trained.

**2006 - 2014:** CCNA Voice, CCIP, CCVP, CCSP, CCNP Security + Voice + Service Provider, CCIE RS + Security Written

**2004:** CCIE Lab Course - Heinz Ulm (CCIE Attempted lab three times)

**2000:** Cisco CCNP and CCNA, MCSE and MCSD

**1997:** GNVQ (Advanced) IT Engineering, NVQ levels 2 and 3 IT Engineering and Programming

**Hobbies and Interests -** Away from my career as a Network Architect, I have a keen interest in Unity3D, PC modifications, including extreme cooling (overclocking) and being a father.