**Kevin Towning**

Hampshire

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**IT Security & Infrastructure Architect**

*Multifaceted technical professional with track record of innovative design solutions*

Technically astute security and infrastructure specialist with a history of success in the design, development, and implementation of systems aligned with industry standards, cyber security requirements, and customer needs. Demonstrated ability to analyse software, systems, and processes and design effective and efficient solutions. Resources and leads teams of professionals and effectively collaborates with attorneys, government officials, vendors, peers, and clients. Adept communicator with all management levels.

**Core Competencies:**

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| --- | --- |
| * + Full Life Cycle Project Management   + Systems Launch / Implementation   + Network Systems   + Technical Feasibility Studies | * + Security Clearance   + Backup and Recovery Strategies   + Problem Resolution / Troubleshooting   + Clearly Written Statement of Work |

**Professional Experience**

RADAM IT – Various Projects in London

**Security & Monitoring Consultant, Zeefix Consulting** 2/2018 – Present

As the Architect/Team Lead for the Monitoring Team, managed large automated deployments (over 60) of various Microsoft System Center Products, including: SCCM, SCOM 1807, SCVMM, and SCORCH. The work involves package deployments, updates, development of custom management packs using Visual Studio, and creation of C# tools for use across multiple locations. Other activities involve scripting through PowerShell, automation for the deployment of SCOM and associated components. Tools and services utilised include: AWS, Azure, Certificate Services, internet proxies, remote access VPNs, vulnerability management, Nessus, Bash PowerShell, Hyper-V and ESX virtualization. Develop networking and storage systems. Implement SCOM ACS to event sources for Alien Vault from Windows through SCOM ACS to ensure ISO 27001 and NIST compliance.

*Key Achievement:*

* Design and install over 60 SCOM deployments and associated monitoring, to be centrally and locally managed to provide health monitoring alerts from over 1k nodes (centrally and locally).
* Design and automate Hyper-V (SCVMM Managed) environment to host the SCOM deployments.
* Utilised Microsoft ACS (Audit Collection Services) for source of events to existing Alien Vault SIEM (Security Information and Event Management) to produce real-time security alerts in compliance with ISO 27001 and GPG-13 (Good Practice Guide).

**Security Consultant, Fusion Forensics**, (Part-Time) 2/2018 – Present

Fulfil various cyber security roles for this leading provider of cyber and digital forensic services in the UK. Collaborate with government departments, law enforcement, defence lawyers, and commercial organisations. Investigate data loss, examine systems for unauthorised access, perform backtrack research into security breaches, architect security designs, and guide the creation of GDPR (General Data Protection Regulation) manuals and processes.

*Key Achievement:*

* Prepare forensically sound evidence (suitable for use in court).

**Security Consultant, Huntsman Security,** 2/2017 – 2/2018

Developed and supported Huntsman SIEM (Security Information and Event Management) platform as part of a three-member team. Collaborated with Q Associates and supported customers, such as: MET Police, PSNI (Police Service of Northern Ireland), and Surrey Sussex Police. Wrote cloud connectors for Azure and Office 365, C#, utilising PowerShell and automated scripts. Visited customer sites to support the product and infrastructure systems as needed.

*Key Achievement:*

* Utilised Microsoft Azure cloud computing service to build, test, deploy, and manage applications for inclusion in company and customer products. Added compliance monitoring for ISO, GPG-13 (Good Practice Guide), and GDPR.

Q Associates – Newbury

**Security and Infrastructure Consultant, MET Police (Subcontractor)** 5/2015 – 2/2018

Oversaw product lifecycle of the Huntsman Security SIEM product and related infrastructure, Net backup, vCenter, VSphere, as well as various operating systems (Microsoft Windows, Solaris, and Linux). Managed and supported McAfee Firewalls, Cisco UCS, ASAs, EMC Storage and SAN fabrics. Designed and implemented System Center products from the 2012 R2 range (SCOM, SCCM, SCVMM, SCDPM, and SCORCH). Assisted Microsoft engineers with Windows client deployment, and developed automation scripts as well as group policies.

*Key Achievement:*

* Designed and installed Huntsman SIEM software to government standards to achieve successful sign-off by Accreditors, as well as Hyper-V hosting systems in several environments (including backup and recovery aspects).

Defence Science Technology Laboratory (DSTL), Sopra Steria, Portsdown West/Porton Down, Hampshire

**Technical Architect/Senior Infrastructure Engineer**, 2/2011 – 5/2015

Advised in all aspects of technical architecture (Business, Application, and Infrastructure). Defined, documented, and articulated functional scopes for customer projects. Identified, analysed, tracked and managed customer and application data flow issues throughout many software systems. Technical architect for 7500-seat Windows 7 platform uplift, including a fully managed desktop environment. Designed and implemented a SIEM system, an SCCM, WSUS and automation. Utilised ArchiMate and Architect software. Many years experience of government and military and high classification systems.

*Key Achievement:*

* Simplified the business support lifecycle and reduced costs by a re-design and rationalization of all tools used by the agency and the service provider.

Other Positions held with DSTL earned through multiple promotions, 1998 through 2003

**Senior NT Systems Administrator**

**NT Systems Administrator/Lead NT Systems Administrator**

**NT 4 Server and Workstation Management**

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*Prior experience as Support Technician, ICL, Whitehall, London*

*Support Engineer/Database Administrator, Maritz, Buckinghamshire*

*Leading Weapons Engineering Mechanic, HM Royal Navy*

**Technical Proficiencies**

BuzzDesign Architect

ArchiMate

EC Council Certified Ethical Hacker

Tier-3 Huntsman (Protector 360) SIEM

Microsoft Products, System Center Suite (SCOM, SCCM, SCSM, SCVMM, SCDPM and SCORCH Orchestrator), Microsoft Windows Server 2003, 2008 (R2), 2012 (R2), Active Directory, MSSQL, Exchange, App-V 5.0, SharePoint Server, Windows Operating Systems

HP EVA, 3PAR, MSA, C7000 Blades, DL and ML Series

EMC and Purestore Storage

Solaris and Linux (Centos/Redhat)

CISCO 6500 Series Catalist, including ASA, UCS blades, fabric and chasis

VMWare ESX and Workstation (including vSphere, vShield, vCOps, vCloud Director 5.5)

Hitachi Lightning 9980, Fabric Networks installation and design

Symantec Endpoint Protection and Net backup 5, 6, and 7

Programming C#, C++, Visual Basic, Windows PowerShell, VBScript, Kix32, Perl

Design and implementation of SAN and Fabric Systems

ISA firewalls and RSA authentication

CISCO Switched Networks (design and install routers)

Linux RH 4, 5, and 6, Centos 5, 6, and 7

UNIX System V: Shell Programming, UNIX System V:Fundamentals

ITIL V3

SDLC, including agile methodology and DEVOPS

Security frameworks (NIST, ISF, SABSA, ISO27001, COBIT, etc.)

Cloud email Security

Internet Proxy

Remote Access VPNs

Vulnerability Management

Secure single sign-on

Qualys/Nessus

Bash/PowerShell

AWS/Azure

Splunk