Curriculum Vitae of Paul Hunkin

PERSONAL INFORMATION

Name	:	Paul Hunkin
Company Name	:	Hunkin Technology Limited
Mobile Number	:	+447595387539 +351 93 557 4770
Email	:	paul.hunkin@hunkintechnology.co.uk
Website	:	https://paulhunkin.com/
Education	:	9 O'levels

English, Maths, Physics, Chemistry, Biology, Human Biology, Geography, General Science, Technical Drawing

: 3 A'levels

Maths, Physics, Chemistry

Professional Qualifications : Microsoft Certified Solutions Expert: Cloud Platform and Infrastructure (MCSE)
Architecting Microsoft Azure Solutions (70-534)
Implementing Microsoft Azure Infrastructure Solutions (70-533)
Developing Microsoft Azure Solutions (70-532)
AWS Certified Solutions Architect - Professional
AWS Certified Solutions Architect - Associate
VMware Certified Professional 5 (VCP5)
VMware Certified Professional 4 (VCP4)
EMC Proven-
Data Center Architect, Storage Networking Design Specialist (EMCDCA)
Cloud Architect, Virtualized Infrastructure Specialist (EMCCA)
Information Storage Associate (EMCISA)
Technology Architect, VMAX3 Solutions Specialist Version 1.0 (EMCTA)
Technology Architect, Symmetrix Solutions Specialist Version 7.0 (EMCTA)
EMC Symmetrix SPEED Certified
Symmetrix
VPLEX

CHRONOLOGICAL ENGAGEMENTS

September 2022 – May 2023

Client:	**SmartCo - WPP plc**
Last Role Held:	**Azure Cloud Solutions Architect**
Roles and Responsibilities:	Contract

Azure Cloud Solution Architect for SmartCo consultancy, providing architectural designs and engineering for projects within WPP plc.

To act as Azure Cloud Solutions Architect and Engineer for the client's cloud platforms:
- Lead Architect for Azure China design and deployment including implementation of Azure Cloud Adoption Framework Landing Zones within China.
- Work with subsidiaries to design and deploy initial offerings within Azure China including secure one-way authentication between Azure AD tenants.
- Provide DevOps engineering of Terraform scripts for build and deployment of greenfield Azure China CAF Landing Zones.
- Create architectural design and migration for one of WPP subsidiary companies' website.
- Provide DevOps engineering of Terraform scripts for build and deployment of the secure website including networking, Web App, SQL database, Key Vaults, storage accounts and connectivity using private endpoints.
- Create standard design template for highly secure isolated Azure environments including firewalls, IPS/IDS solutions, access control and authentication.

January 2021 – September 2022

Client:	**HSBC Bank**
Last Role Held:	**Azure Cloud Solutions Architect**
Roles and Responsibilities:	Contract

Cloud Solution Architect for HSBC bank providing guidance on Azure best practise, security and deployment of their multi tenanted Azure environment.

To act as Azure Cloud Solutions Architect and SME for the client's strategic Azure tenants and Cyber Security platform:

- Create architectural design patterns for individual Azure infrastructure resource types. Providing best practice, configuration recommendations and adherence to security standards.
- Design, run proof of concept and finalise design for Zscaler and McAfee cloud proxy solutions within the Cyber Security platforms Azure tenant.
- Design Azure VWAN solution for Zscaler IPEC tunnel.
- Define Azure Landing zones for Cyber Security platform.
- Create design for network sandbox to enable POC of new networking connectivity patterns between on-premises and/or other Cloud Service Providers.
- Create blueprint for Azure Kubernetes Service (AKS), Azure Container Registry (ACR) and Azure Container Instances (ACI) for the deployment of Docker images including scanning of code and images.
- Provide architectural guidance to DevOps engineers, management, and projects.
- Work with developers to design and deploy infrastructure in an Azure DevOps agile environment.

March 2019 – January 2021

Client:	**Shell Energy Trading & Supply**
Last Role Held:	**Cloud Architect**
Roles and Responsibilities:	Contract

Cloud Architect for Shell Energy Trading & Supply providing guidance on Azure best practise, security and deployment of their Data Platform.

To act as Global Cloud Architect and SME for the client's Trading Data Platform cloud environments:

- Design new Azure environment for Data Platform including networking, subscriptions, resource groups and access management.
- Design and implement microservices and event driven architectures.
- Provide comprehensive security analysis of the current environment.
- Provide detailed plans for disaster recovery and back up strategy.
- Provide best practice for Big Data environment including Azure Data Lakes, Data Warehouse and SQL Databases
- Design and deploy resources including Azure Functions, Web Apps, Data Bricks, Data Factory, Synapse, Redis Cache, databases, data lakes and virtual machines using Terraform.
- Enable Infrastructure as Code using CI/CD pipelines for rapid and repeatable deployment of multiple environments for development, testing and production.
- Provide standardised Terraform modules to be called from Azure DevOps Repository.
- Work with developers to design and deploy infrastructure in an Azure DevOps agile environment.

July 2018 – March 2019

Client:	**SSE Enterprise**
Last Role Held:	**Cloud Architect**
Roles and Responsibilities:	Contract

Cloud Architect for SSE Enterprise focused on projects to design and deploy IaaS, PaaS and cloud native services into Azure and AWS cloud platforms.

To act as Cloud Technical Architect and SME for the Client's Enterprise cloud environments:

- Plan and deploy application suites to Azure IaaS, PaaS and cloud native environments including
  - Infrastructure patterns
  - Web App, API App and API Management.
  - Microservices using Azure Kubernetes Service (AKS) utilising Docker Containers.
  - Networking (Load Balancers, routing tables, CDNs, connectivity including ExpressRoutes and VPNs)
  - Identity Access Management and Security
  - Design, specification and pricing of compute, databases, networking, storage, and monitoring.
  - Backup and DR
  - Hybrid Cloud Integration
- Lead Cloud Architect on Smart Cities AWS IoT project.
  - Provide SSE oversite to 3rd party supplier.
  - Determine AWS Landing Zone configuration with AWS and 3rd party.

- o   Determine security design for project
- Lead Cloud Architect on Azure Cloud Foundation project providing overall design blue print and best practice.
- Lead Cloud Architect on Verint voice recording migration project from on-premise to Azure, including infrastructure and network assessment.
- Provide Blueprint designs for individual cloud components.

January 2016 – July 2018
Client:	**Avis Budget Group**
Last Role Held:	**Cloud and Infrastructure Architect/Technical Lead**
Roles and Responsibilities:	Contract

Cloud and Infrastructure Architect/Technical Lead at Avis Budget Group focused on projects to design and deploy IaaS and PaaS services into Azure and AWS cloud platforms, deliver a new Disaster Recovery datacentre, migration of infrastructure and services to new datacentre and cloud platforms.

To act as Infrastructure and Cloud Technical Architect and SME for the Client's European datacentres and cloud environments:
- Plan and deploy application suites to Azure and AWS IaaS and PaaS environments including:
  - o   Infrastructure patterns
  - o   Networking (Load Balancers, routing tables, CDNs, connectivity including ExpressRoutes, DirectConnect and VPNs)
  - o   Identity Access Managemental and Security
  - o   Design, specification and pricing of compute, databases, networking, storage, and monitoring.
  - o   Backup and DR
  - o   Hybrid Cloud Integration
- Plan and deploy infrastructure services for a new datacentre including:
  - o   Pure Storage Arrays, EMC VPLEX, RecoverPoint and VNX
  - o   Cisco MDS SAN switches
  - o   Cisco UCS Blades Chassis' and Fabric Interconnects
  - o   VMware ESXi 6.0\6.5 including Site Recovery Manager
- Plan and implement migration of infrastructure and services to new datacentre.
- Create migration plans for Brocade to Cisco MDS SAN switches.
- Provide VMware ESX DR designs including stretched clusters using EMC VPLEX Metro and VMware Site Recovery Manager using EMC RecoverPoint and Pure replication.
- Design and deploy Panzura Hybrid Cloud NAS solution using Azure storage.
- Design and deploy Commvault 11 backup solution including cloud integration.
- Plan upgrades to existing infrastructure.

August 2012 – December 2015
Client:	**EMC**
Last Role Held:	**Solutions Architect**
Roles and Responsibilities:	Contract

Solutions Architect at EMC focused on Enterprise solutions. Tier 1 project focused delivery of architecture solutions, best practice and migration strategies for Cloud, virtualised and heterogeneous environments. Provide Performance analysis.

To act as Subject Matter Expert for the Client's enterprise and mid-range storage infrastructure including:
- Provide designs, migration plans and best practise for VMware, UNIX, Linux, iSeries and Windows environments.
- Provide designs for Cloud and Virtualised environments.
- Provide fibre channels and converged network designs.
- Provide security designs and best practise.
- Plan data migrations using array based, host based and operating system solutions.
- Performance & Scalability planning.
- Business Continuity & DR architecture design including local and multi-site replication.
- Management software and monitoring designs and best practise.
- Data Centre designs, migrations & exits.

August 2011 – August 2012
Client: **BG Group**
Last Role Held: **Technical Consultant**
Roles and Responsibilities: Contract

To provide consultancy on all aspects of infrastructure within the groups worldwide assets. Infrastructure Architect on new Datacentre project and SME for the Storage.

June 2011 – July 2011
Client: **Bank of England**
Last Role Held: **Storage Architect**
Roles and Responsibilities: Contract

To provide Storage Consultancy during specification and tender phases of 2 projects.

August 2008 – July 2009
Client: **Credit Suisse**
Last Role Held: **Storage Engineer**
Roles and Responsibilities: Contract

To provide global support and deployment of the bank's primary storage environment.

January 2007 – June 2008
Client: **Barclays Wealth**
Last Role Held: **Senior Consultant**
Roles and Responsibilities: Contract

To act as Senior Consultant, Architect, Design Authority for Global Infrastructure Team and provide Directors/Senior Management with Global Strategy including documenting the global infrastructure. Create high and low level design for infrastructure, virtualised environments, DR and backups.

January 2006 – November 2006
Client: **Reuters Limited**
Last Role Held: **Consultant & Technical Architect**
Roles and Responsibilities: Contract

Support the Global Management in identifying business group requirements, evaluation of technology providers, assessment of supplier capabilities in the delivery of technology and develop a storage road-map for the entire organisation.

November 2004 – January 2006
Client: **JP Morgan Chase**
Last Role Held: **Global Technology Infrastructure Consultant**
Roles and Responsibilities: Contract

Support the Global Vice President of Storage in the identification of client requirements, evaluation of technology providers and assessment of competitor capabilities in the delivery of technology as Global Technology Infrastructure Consultant covering EMEA region.

March 2004 – November 2004
Client: **London Stock Exchange**
Last Role Held: **Senior Storage Engineer**
Roles and Responsibilities: Contract

To take technical ownership of the SAN environments across a number of service lines and ensure they run smoothly during the business day. In the event of any issues, to take ownership of the investigation

and liaise with the suppliers during the problem identification and resolution.

December 2003 – March 2004
Client: **Morse Group** (for BAA Heathrow)
Last Role Held: **Technical Architect**
Roles and Responsibilities: Contract

Member of the Consolidation Project Team responsible for the implementation of new infrastructure and the operational transition of server / data consolidation and migration activity.

July 1996 – Oct 2003
Client: **Hewlett Packard Limited** (previously Compaq Computer Ltd)
Last Role Held: **Senior Product Specialist**
Roles and Responsibilities: Contract , 31 x 3 month Extensions

Provide the highest level technical consultancy, support and training within Europe for HP ProLiant and StorageWorks products. Run train the trainer sessions for ProLiant Blades and MSCS clustering whilst in Beta.

ADDITIONAL INFORMATION

SUMMARY OF TECHNICAL SKILLS

- Azure Cloud
  - Cloud and Hybrid Cloud design
  - Application Migrations to Azure
  - Web/API/Mobile Apps and API Management
  - Azure Container Service (ACS) including Kubernetes (AKS)
  - Azure Networking (VNETs, ExpressRoute, VPN Gateway, Traffic Manager, NSGs, UDRs)
  - Load Balancers and Application Gateways
  - Recovery Services Vaults, Backup and Site Recovery
  - Azure Storage
  - Terraform, AZ CLI and ARM Templates
  - PaaS services including databases, message queues
  - Security, IAM, MFA, Roles
- AWS
  - Cloud and Hybrid Cloud design
  - CloudFormation templates
  - AWS Networking (VPC, DirectConnect, VPN Gateways, CloudFront, NACLs, routing tables)
  - Load Balancers and Application Gateways
  - Application Migrations to AWS
  - S3, Glacier, Snowball
  - PaaS services including databases, message queues, Kenesis
  - Security, IAM, MFA, Roles
- Panzura Cloud Network Attached Storage
- VMware ESX 3.5, 4.0, 4.1, 5.0, 5.5, 6.0, 6.5, 6.7
- ProLiant Blade, DL and ML Server Ranges
- Cisco UCS blades, chassis', S series servers and Fabric Interconnects
- Microsoft Windows NT 4.0, 2000, 2003, 2008 (R2), 2012, 2016, 2019 & 2022
- Storage Area Networks
  - Cisco MDS Director and Fibre Channel Switches including SANTap.
  - Brocade Director and Fibre Channel Switches
  - McData Director and Fibre Channel Switches
  - Multi Protocol Routers including iFCP, FC-FC, FC-IP & iSCSI
- EMC Arrays
  - Symmetrix VMAX (inc VMAX3), DMX, Symmetrix 5, CLARiiON & VNX Storage Arrays
  - VPLEX
  - XtremIO
  - Celerra NAS and Cloud Tiering Appliance
  - Centera CAS
  - SRDF, TimeFinder and RecoverPoint Replication.
  - PowerPath, Solution Enabler (SYMcli), NaviSphere and UniSphere
  - Unisphere, EMC Control Centre and Symmetrix Management Console
  - VMware Virtual Storage Integrator (VSI)
  - Replication Manager
- NetApp Filers
  - FAS Filers
  - CIFS, NFS, iSCSI, Fibre Channel
  - SnapMirror, SnapVault
  - SnapLock
  - Operations Manager/DFM
- HP StorageWorks Arrays
- Backup Technologies
  - Commvault
  - Veritas Backup Exec and NetBackup
  - Quantum Tape Libraries and Virtual Tape Libraries
  - Overland Libraries
  - IBM LTO Libraries
  - StorageTek SL8500 Libraries
  - ATL Libraries
  - DAT, DLT, AIT and Libraries