Gary is an experienced Azure ARM DevOps Cloud Engineer with Cloud Automation & Provisioning skill using Puppet, Azure PowerShell, ARM Templates, Octopus Deploy, CA Nolio, MS Build, VSTS (Azure DevOps) & GIT.

**PROFILE**

Gary has an array of technical and soft skills and has worked with **Online Fashion** companies like ASOS, **Media** companies like ITV.com and TMW.co.uk. He has also worked with **Telecoms companies** like BT, and with **Finance** Companies, Bupa, RBS and **Government bodies** like the Financial Ombudsman Service, HFIS and **Energy companies** like SSE.

Gary has Project Lead the Azure PowerShell Code Development using ARM Azure Resource Manager templates for various IAAS, PAAS, Infrastructure as Code (IAS), Continuous Delivery automation Projects

Gary has automated AWS EC2 Cloud and Azure ARM Cloud infrastructure. He enjoys working both as part of a team or on individual assignments, he has worked in leading edge fast moving AGILE environments requiring rapid adoption of new technologies, work processes absorbing new skills quickly and to a high standard.

**ROLES, TECHNICAL EXPERTISE & SKILLS**

Gary is experienced in gathering business requirements from client, PM or Technical Architects to fully understand the brands and companies hosting Infrastructure Requirements. He has experience working with multiple projects in fast-paced agile/DevOps environments thus understanding team dependencies, impacts and resolution

**Roles:** Azure ARM Cloud DevOps, AWS EC2 DevOps, Web DevOps, TFS Build & Release Engineer

**Skills:**

* Able to work under pressure, meet agile targets & deadlines. Level headed, common sense planning approach
* Resourceful self-starter, reliable & able to take away a complex assignment and complete to a high standard
* Strong Stakeholder Management skills. Good Requirements gathering, interpretation & Scoping to Production
* ITIL Incident: Problem Management skills, Remedy skills, Root cause analysis, CAB Stakeholder Meetings
* ITIL Documentation: Professional Technical Documentation, TDA of High & Low-Level Web, AD
* Adaptability: Learn, adapt skills & knowledge quickly, enjoy challenges, and always stick to task until completion

**Azure DevOps:**

Agile/SCRUM, VSTS, Jenkins, MS Build, VSTS, GIT, Octopus Deploy, TeamCity, CI/CD Nolio Automation, ASP.Net, Apache Tomcat, WCF, MSMQ, Puppet, Chef, Vagrant

**CLOUD: Azure ARM Templates, Amazon AWS EC2, S3, ELB, PAAS, IAAS**

Automated Configuration of Cloud Service, VM, Storage BLOBS in Azure, PowerShell ARM Deployments to Azure Cloud. Config & Migration of ASP.Net website in the Amazon EC2 Cloud,

**Linux/LAMP:**

Web Hosting Apache on - Ubuntu, Centos, Deploying PHP code, and MySQL DB updates

**ADFS/AD, Web Infrastructure:**

**AD Design:** GC & FSMO Placement (Schema, Domain Naming - RID, Infrastructure, PDC Emulator)

**Salesforce.com**: SSO ADFS SAML Configuration and Integration with SOPHOS windows Active Directory.

**Windows IIS, ASP.NET:**

**Web Infrastructure:** TDA of IIS Web Farms (UAT, OAT, PRE-PROD and PROD)

**Load balancing:** Big IP F5, CISCO ACE & Windows NLB, ARR (Application Request Routing)

**Azure SQL Server:**

SQL Server 2012: configuration, maintenance, SQL Scripting, Backup/recovery

**EDUCATION, QUALIFICATION AND TRAINING COURSES**

Greenwich University 1991 to 1993

BSc Computer Science

Kingsway College 1990 to 1991

City & Guilds 425 Certificate in COBOL Programming

Hendon College 1983 to 1985

Btec Certificate in Computer Programming (Pascal/Cobol)

Mountview High School 1974 to 1978

O’levels: English B, Maths B, Physics B, Chemistry C, History B

**WORK EXPERIENCE**

BDO - (Project: VDI Service Solution) - Azure DevOps Engineer / Infrastructure Architect Feb 2019 to Current

**Technology:** ARM, PowerShell, Octopus, GIT, Azure DevOps, Agile, IAAS, PAAS, AD, AAD, AZ CLI, Duo

**Role:** Azure Build and LLD Design of Azure VDI Service Solution for VDI Users in Mauritius and London

* Design Authority for Azure ARM Templating VDI Infrastructure
* Collaborated with Multiple Technical Teams: Infrastructure Architects, Citrix Solution Architect
* Collaborate with Senior Architect on HLD, author, design LLD and implement LLD once approved by the CAB
* Authored Azure ARM Templates and Azure PowerShell to build Azure VNet’s, Subnets, NSG’s, Firewalls etc
* Deployed Azure Gateways in West and North Europe, Deployed Azure Local VPN Gateways to On-Premise VPN
* Deployed Microsoft ARM Templates to build IaaS Domain Controllers, RDP, Citrix VDIs , SCOM Servers

**Achievements**:

* Design / Implement Automation of Azure IAAS VDI Service Solution Infrastructure and PAAS Infrastructure
* Design / Implement VPN Gateways from Azure IAAS to On-Premise Data Centre’s in London
* Design / Implement VNET Peering between multiple Azure Subscriptions in West Europe and North Europe

SSE - (Project: DNA Data Analytics) - Senior Azure DevOps Engineer / LLD Architect July 2018 to Feb 2019

**Technology:** ARM, Terraform, GIT, VSTS, Agile, PowerShell, Octopus, PAAS, IAAS, ADF, AD, ADL, ML, AZ CLI

**Role:** Build the Azure IAAS/PAAS Infrastructure for the DNA Data Analytics Project to get Value from Data

* Collaborated with Multiple Technical Teams: Infrastructure Architects, Security Architects, Solution Architects
* Authored ARM Templates to build Azure VNet’s, Subnets, NSG’s inbound/outbound RDP/SMB etc
* Deployed Microsoft ARM Templates to build IaaS VMs, Data Factory’s, Data Lake Store, Blob Storage
* Automate the Domain-Join and Domain re-join of IAAS VM’s when they lose connectivity to the Windows AD
* Configuring and Supporting the Data Analyst when accessing the Data Lake Store and Data Factory

**Achievements**:

* Automate the creation of Azure IAAS DNA VNet Infrastructure and PAAS Infrastructure
* Design VNET Peering between IAAS Domain Controllers and the DNA IAAS Data Analytics Subnet

BP - Oil - (Projects: Upstream Well Hopper, LMS) - Senior Azure DevOps Engineer Nov 2017 to July 2018

**Technology:** ARM, Docker, GIT, VSTS, Agile, Scrum, PowerShell, Octopus, IAAS, PAAS, VPN, NSG, NPM, Terraform

(Azure Application Insights Monitoring and Alerting, Azure Active Directory Application Configuration)

* Write PowerShell ARM Templates to Configure, test and Deploy **Azure AD** App Service **Token-Lifetime-Policy**
* Support with technical advice to Azure Angular Developers regarding Application Insight Analytics for SPA
* PowerShell and ARM Templating of Azure PAAS Logic Apps to send Alerts to Email and to Slack Channels
* Creates IAAS, VNets, Subnets, NSG’s, Inbound, Outbound Rule Management

**Achievements**:

* Improve the user journey for various websites by Extending the **Azure AD** App Service **Token-Lifetime-Policy**
* Automate the creation of Azure PAAS Logic Apps to send Alerts to Slack Channels

PRSForMusic.com - (Project: Online Statements) - Senior Azure DevOps Engineer July 2017 to Nov 2017

**Technology:** ARM Templates, GIT, Jira, Confluence, VSTS, Agile, Azure PowerShell, Octopus Deploy, Team City

(PAAS, Data Warehouse, Data Factory, Pipelines, Datasets, Linked lists, DACPAC’s

* Configure, test and Deploy **Azure Data Factory** Builds into **Int / QA** Environments with **Octopus** and **Team City**
* Configure **Team City** Continuous Integration **(CI)** with **Octopus Deploy** in **Azure** using **MS Build** and **OctoPack**
* Configure **Team City** to build and push **Azure Data Factory** **DACPAC’s** to **Octopus Deploy**
* Configure **Octopus Deploy** **(CD)** to run **Azure PowerShell** and Deploy **NuGet / DACPAC** Packages to **Int and QA**
* Optimization of **PowerShell Scripts** to extract **Octopus** Variables and Deploy to **Int and QA** **Azure** Environments

**Achievements**:

* Octopus Deploy delivery of Azure **DataFactory** Collections, **DataSets**, Linked lists & Pipelines to INT and QA

WPP.com - Kinetic-Digital Marketing (Senior Azure DevOps Engineer) May 2017 to July 2017

**Technology:** ARM Templates, GitHub, Agile, PowerShell, VSTS, Octopus, Team City, Scrum, Azure SQL, Cosmos DB

IAAS, PAAS, Resource Manager, Elastic Pooling, App Service Plans Migration

* ARM Templating of Azure IAAS and PAAS Resource Manager Environments
* Orchestration of PAAS Azure SQL Server, Azure SQL Migration, Elastic Pooling, SQL BACPAC Export/ Import
* Azure SQL Server Cloning, Web App Service Cloning, and App Service Plan Migration

**Achievements**:

* Delivery of PAAS Azure SQL, Elastic Pooling, SQL BACPAC Export / Import for Dev, INT and Prod

ARM.com - Semiconductor Manufacture (Senior Azure DevOps Engineer) Feb 2017 to April 2017

**Technology:** Agile, PowerShell, ARM, Octopus, TeamCity, GitHub, JIRA, Azure SQL, Sitecore, Coveo SIM, DSC

* PowerShell DSC, ARM Templating of Azure IAAS Azure Resource Manager Environments
* Orchestration of SQL Server 2014 R2 Configuration, SIM and Sitecore
* Orchestration of Azure Infrastructure Deployment of Resource Groups, VPNs, Subnets, NSGs, NICs VMs, DSC,

**Achievements**:

* Delivery of automated Azure ARM SQL Server on Windows 2012 R2 with SIM and Sitecore 8.1 in QA

Wiggle.co.uk – Onboarding of new Acquisition CRC (Lead Azure DevOps Engineer) July 2016 to Jan 2017

**Technology:** JIRA,IAAS**,** DSC**,** Agile, TFS, Bit Bucket, PowerShell, MS Build, Octopus, TeamCity, GitHub, ARM

* ARM Templating of Azure IAAS Azure Resource Manager Environments
* Automation using Azure Resource Manager ARM Templates and Azure PowerShell
* Azure Subnets, Network Security Groups, Inbound Rules, Outbound Rules Creation and Configuration
* Automated Deployment of Azure VMs using ARM Templates / Octopus Deploy and joining VMs to domain
* Writing PowerShell scripts for Octopus Deploy to Deploy to Azure ARM Environments

**Achievements**

* Delivery of 9 Azure ARM IAC Cloud Environments enabling onboarding merger of Chain Reaction Cycles (CRC)

Agilisys.co.uk – Agilisys Ltd (Win DevOps & Release Engineer) April 2016 to July 2016

**Technology:** Win 2012, Agile, TFS, GIT, PowerShell, Nuget, Octopus Deploy, TeamCity, AWS

* Deploying Government Council Websites using Octopus Deploy, PowerShell & TFS, AWS
* Automation using Agile SCRUM development practices
* TFS - Source Control Management, Build Definitions, Deployment Definitions
* Continuous Integration (CI) with Team Foundation Server 2012, MSBuild and PowerShell

**Achievements:**

* Delivery of PowerShell scripts for Octopus Deploy to Deploy to Government Websites (Brent and Bedford)

ASOS.com (Online Fashion Website) DevOps Build & Release Engineer Nov 2015 to April 2016

**Technology:** Azure, IAAS, Kibana, TFS, GIT, PowerShell, Chocolatey, NuGet, MS Build, Octopus, TeamCity

* Deploying PAAS Cloud Services to Azure using PowerShell & ALM API to **Asos.Commerce.Checkout Web**
* Automation using Agile SCRUM development practices 2/3-week sprints
* Continuous Integration (CI/CD) with Team Foundation Server 2012 and MSBuild, PowerShell, ALM API, Octopus
* Azure Traffic Manager, Cloud Service, Diagnostic Storage Account configuration

**Achievements**:

* Delivery of: **Asos.Commerce.Checkout Web** ALM and Kibana Elastic Search setup

Game.co.uk (Video Gaming) Win DevOps Build & Release Engineer June 2015 to Oct 2015

**Technology:** Nagios, Agile, TFS, GIT, PowerShell, Chocolatey, Puppet, Octopus, Vagrant, Virtual box, Azure, EC2

**Responsibilities:**

Design/Build solutions for integrating Octopus Deploy into (Game Dev, Game Logistics, Game ESD, Game Wallet)

* Configure and test Octopus Deploy Branching with GAME products (Octopus Deploy 3.x)
* Puppet IaC Infrastructure as Code deployment for Windows Features / Linux.

**Achievements**:

* Octopus Deploy Integration and Configuration for GAME Website products: Game Wallet and GAME ESD

Bupaglobal.com - Bupa (AWS Azure DevOps Build & Release Engineer) January 2015 to June 2015

**Technology:** Octopus, Agile, TFS, GIT, AWS, Azure, PowerShell, Chocolatey, New Relic, Nagios, MS Build, CHEF

**Responsibilities:**

Migrate AWS EC2 Websites away from 3rd Party Venders to in-house Bupa Internal Managed Service Team

* AWS EC2 Private Cloud hosting, on premises hosting and co-location hosting, Administration and Configuration
* Octopus Deploy Continuous Deployment of Asp.Net Apps into Dev and UAT, Handover from AKQA & Sapient
* **Documentation**: Document Configure & Deployment processes, structured design with technical diagrams

**Financial Ombudsman Service (Web DevOps** / **Build &** **Release Engineer) July 2012 to December 2014**

**Technology:** PowerShell, ARR, TeamCity, GIT, Agile, TFS, MS Build, Octopus, Puppet, Clipper, AWS, Azure, NuGet

**Responsibilities:**

* **TFS:** SoftwareBranching/Cutting new Release code from MAIN to Release Branch, Create new Definitions
* **PowerShell Automated Server Builds:** Build/Install Windows Server features and Websites across Web Farms

**Achievements**

* Troubleshooting Memory Leaks, failed Transaction servers not in time sync (Net Time \\server /Set /Yes)
* Successful ADFS design of Web site ADFS CMS integration project.
* LLD Design, Automate: IIS 7.5 Clipper/OPA ARR (Application Request Routing LB) Web Farms in Prod, UAT, OAT

Tesco.com (Web Technical Analyst) March 2012 to June 2012

**Responsibilities: Sites:** Tesco Groceries, Tesco Legacy, Tesco Clubcard, Tesco Direct, Tesco Martini Grocery

* Troubleshooting, Load Testing, Performance Testing, Cross Browser Testing, Functional Testing.
* Successful resolution of OPS Performance/Load Testing issue for Martini Grocery D11(HTTP Keep-Alive)

Sophos – Sophos.com (Web SSO ADFS Integration Engineer) Quantum Project September 2011 to March 2012

**Responsibilities:** Successful launch of Sophos Partner portal website and Salesforce.com and ADFS integration

Tullow Marshal Warren (Web Hosting & Integration Engineer) July 2011 to September 2011

**Responsibilities:** Migrate knorr.co.uk to AWS EC2. **Clients:** Nissan, Pfizer, FT, Royal Mail, T-Mobile, FloraButtery,

Reed Exhibitions (Windows Web Systems Engineer) February 2011 to July 2011

**Responsibilities:** Web site creation, F5 Admin, IIS web server’s farms, App Pool config, DNS configuration issues

ITV.com – (Nolio Automation IIS Web Engineer) September 2010 to February 2011

**Technology Used:** PowerShell, TFS, IIS6, Akamai, Zeus ZXTM, PHP/MYSQL, CA Nolio, VMware, Bloom, VODCRID,

**Responsibilities:** Nolio Automation, PowerShell, Ruby, Deployed: LAMPS PHP, Dancing on Ice & This Morning

HFIS – (Web Deployment Engineer) August 2009 to September 2010

**Responsibilities:** AD FSMO Placement, ASP.Net websites deployment, Linux installation and configuration.