I am a highly experienced and versatile professional with considerable experience delivering DevOps, working within agile framework projects. I have a proven and commended ability for achieving operational effectiveness, and successfully integrating and harmonizing myself within both new and established teams.

I have very strong technical abilities in a broad range of disciplines, which I am able to quickly adapt and apply to the idiosyncratic requirements of different enterprises. I have both an intuitive and analytical intellect that is capable of quickly diagnosing and effectively resolving technical issues and operational challenges. I am a friendly and confident individual with well-developed verbal and written communication skills, and I am able to function comfortably within any team or enterprise culture.

### Technologies

|  |  |
| --- | --- |
| * Cloud infrastructure design and architecture * AWS, EC2, EMR, S3, code pipeline, RDS, VPC , ECS, WAF, Lambda, code-deploy and code-commit * Cloudformation * Azure cloud * Bash scripting * Sophos UTM 9 Enterprise * Microsoft Windows2003, 2008 and 2012, 2016 * Azure AD, and Federated services * MS Azure cloud computing * VMware 5.5/6 * TCP/IP, DNS, DHCP, WINS | * Terraform, Packer, Vagrant * Jenkins, Git, Gitlab-CI, CI-CD pipeline * Grafana, Telegraf * Office 365 planning, migration and support * Linux Ubuntu server 14 / 16 * Ansible , Ansible tower * Dynamic CRM2013/2016 * Linux Ubuntu 14/16, Centos * Windows 10 deployment and support * MS Lync 2013 and skype for business * SQL server Availability groups, * Power shell automation and scripting |
| Training and qualifications | |
| 1995: LLB in Law, Law School, Cairo University, Cairo, Egypt  1996: Post Graduate Diploma in Commerce Mannar Business College Cairo, Egypt  1998: Diploma in English for Business Communication The British Council, Cairo, Egypt  2002: MCSE 2000(Microsoft Certified System Engineer)  2002: Diploma in Java-based web development  2005: MCSE 2003  2007: Prince 2 Foundation  2008: VMware VCP  2011: Training on C# and VB.NET  2012: VMware VCP5 | |

2012: Hitachi Blue arc HNAS administration, Hitachi.

2013: HP 3PAR EM\C administration

2014: Citrix XenApp 6.5 administration

2014: Citrix NetScaler 10

2014: Citrix Xendesktop 7 implementation and management

### Career summary

###### **March2019-current Principal consultant, Cybersecurity and risk services, Wipro**

###### Working on major Wipro client project as main security architect. Business critical project and working directly as consultant on client site for the duration of the project as part of the client cybersecurity team, to consult and develop the client’s cyber security architecture

* Gather background information and requirements
* Develop and publish cyber security architecture documentation and related artifacts
* Work with the project team to ensure the agreed cybersecurity architecture and security policy framework are complied with throw-out the project.
* Carryout audit and compliance checklist
* Advise on SOX, GDPR compliance requirements
* Working closely with the VP of cybersecurity. to maintain the security compliance and policies.

###### 

###### **Nov2018-28Feb2019 Cloud dev –ops engineer GRC Nasdaq**

###### As Cloud dev –ops engineer, I have working on the automation and deployment of Nasdaq’s Block-chain applications on AWS.

Containerization and deployment of NodeJS application to ECS, active and the sole devops function for both London and Las Vegas

* Build and deploy Gitlab-CI pipeline
* AWS infrastructure security and design
* Docker build and orchestration
* IAAC deployment using Cloudformation and serverless framework
* Deployment and implementation of Elasticksearch and Kebana
* Build client facing SOX and ISO systems for GRC at All stages

###### **Jan2018-Nov2018 Cloud Lead Engineer/Architect Redcloud Technology**

###### As the cloud architect/lead cloud engineer, brought into a greenfield cloud project to deliver highly available, secure and robust fin-tech cloud hosted service. I have successfully achieved major deployment of mobile banking systems, Data warehouse and BI systems, utilizing technologies such as, CloudFormation, Terraform, code-deploy, code-commit, WAF, EC2, S3, Lambda, Quicksight and Cognito; and brought in cloud infrastructure best practice and design, I also took major hands on role in implementing CI/CD and ISO27001 compliance. Working within agile framework projects to deliver technology solutions

* Architecting, designing and implementing enterprise cloud infrastructure
* Analyses system requirements and ensures that systems will be securely integrated with current applications
* IAAC deployment using Terraform.
* Build and deploy cloud systems / servers.
* PowerShell and bash automation
* Build and run Jenkins CI-CD pipelines
* Deploy VPC CloudFormation and related components
* Manage the security and access policies for the cloud infrastructure
* Cloud infrastructure budget and budget forecast and management using cost AWS optimization reports.
* Monitoring of Cloud investiture and services
* Define along with the CTO the cloud strategy to accommodate and support application/product roadmap
* Define Cloud infrastructure best practice
* Docker automation and build on AWS ECS
* Train and develop junior Cloud Engineers
* Regular security audit of all cloud infrastructure services
* Use of AWS trusted advisor to comply with best practices

###### **Oct2016-Dec2017 Lead Infrastructure Engineer The Exchange Lab**

###### As the principle infrastructure technician, leading from the front but with firm hands on. owned all aspects of the Health/Availability, Performance, Security and Scalability of the infrastructure stack. the ultimate escalation point for any infrastructure issues, working closely with the rest of the team to resolve quickly. Managed multi-site AWS implementation from perimeter through to low level services and being accountable for it end to end, managing network and security elements of this infrastructure. Managed and scaled multiple systems and technologies within AWS environments including Linux and Windows EC2 hosts, S3, EBS, EMR/Hadoop Clusters, Always on Availability Group SQL2016 Clusters, MySQL, RDS, IPSEC/VPN, CI/CD implementation Routing, DNS, Active Directory, Kafka/Zookeeper messaging services, Tableau Server Clustering Architect, and build resilient highly available cloud hosted system

* Design Build and deployment of RDS and Amazon EMR clusters
* IAAC and automation using ansible and cloudformation
* Build and run Jenkins CI-CD pipelines
* Worked with data warehouse team on data lake implementation, Hadoop, EMR, SQL servers
* Supporting large scale server infrastructure both Linux ubuntu 14/16 and Windows server
* Designed and built Grafana monitoring and alerts
* Bash and PowerShell automation
* Automation of build and provisioning using ansible, ansible tower and CLI using Jenkins
* AWS ECS docker provisioning with Ansible and vagrant
* Aws automation using cloud formation templates
* Windows automation scripting using PowerShell
* Implemented Redgate SQL backup and monitoring systems
* Build and administration of Linux Ubuntu servers
* Build and administration of windows server
* SQL server 2016 build, support, SSRS, ETL
* Design; build SQL server clusters and always-on availability groups for large-scale enterprise deployment

###### **Feb2016-Oct2016 Lead Infrastructure Engineer Digiterre UK Ltd**

###### As the lead infrastructure engineer my role hold both technical hand on lead for the infrastructure team as well as planning and implementation for both on premise and cloud based infrastructure.

Planned, designed and implemented new AWS infrastructure migration and hosted Dynamic CRM 2016 systems both in EU and Asia pacific.

* Support and optimize AWS infrastructure and hosted Dynamic CRM system
* Upgrade Hyper-V server farm to 2012 R2
* Maintenance and upgrade for Lync 2013 and exchange 2013 with unified messaging
* DR/BCP planning

###### CI/CD implementation and automation

* Upgrade Dynamic CRM from 2013 to 2016
* Administration of Linus Ubuntu systems
* Migration of Active directory domain to 2012 R2
* Set up and design for ISMS ISO27001 road map

###### **May 2015- Feb2016 Senior Systems Engineer, Content and Code, Managed service,**

###### Role acting as the technical lead for managed service systems team, to look after both internal and client support, as well as technical project lead.

* Designed and implemented SCCM2012 r2
* Deploy windows 10 via SCCM
* Administration and implementation of Intune and WSUS
* Administration of IIS7.5 and IIS8
* Design and implementation for SCOM2012 r2 both internal and on client sites
* Being the technical escalation point for content and code’s high profile clients
* Document and systems strategy planning
* Implementation and support for azure Enterprise agreements
* Build, Administration and support for MS SQL servers 2012/2014
* Optimization for both on premise and hosted virtual farms
* Management and administration of VMware 5.5 farm
* Administration of Hyper-V farm

###### **June 2014-May 2015 Interim IT manager, Quantumblack**

###### Provided the technical and strategic support to setting up the IT and security and helping QuantumBlack gain ISO27001 certification.

* Infrastructure Architecture, design and implementation, both onsite and cloud based infrastructure Network LAN, WAN/VPN
* Designed, planning and implantation of AD 2012 and azure AD
* Setup and managing the Azure and AWS cloud estate
* Setup, configuration and support for Lync 2013
* Administered and built Linux servers farm Ubuntu
* Created, and support AWS stacks, and manage AWS cloud formation and template creation
* Integrated azure active directory ADFS single sign on, with Dropbox, AWS, Office 365, Azure, AWS VPC, Skype, and other productivity cloud applications
* Build, support, and administration of SQL servers 2012/2014
* Build, support and administration of all windows servers 2008, 2012 and IIS 7.5 and 8
* Build and support Laptops, Mac Books, windows 8.1, Mac OSX 10.10
* Planned, design and implementation of internal infrastructure
* Planned and rollout of 1GB WAN connection (full life cycle
* Worked with the CTO to establish ISMS policy framework
* Provided all line of support to both front end and backend system
* Rolled out of Sophos Safeguard encryption system across the organization.

###### **Dec 2013-June 2014 senior infrastructure engineer, Morgan Hunt**

###### Acted as the lead technical infrastructure engineer, providing both day to day support, as well as hands on implementation of infrastructure and network projects across multi sites

* Designed and implementation of Citrix XenApp 6.5, Xen Desktop 7, Storefront, and Citrix NetScaler 10 enterprise
* Administration and support for MS windows servers 2008/2012 farm
* Migrated from MS Exchange 2003 to office 365
* Administered Lync 2013
* Data center Architecture, migration planning and implementation
* Administration of SQL servers 2012/2014
* Management and administration of All backend network switches and firewall, Cisco and WatchGuard
* WAN/VPLS upgrade

###### **Nov 2011-Dec 2013: Hands on IT Manager, Burrows Ltd Part of WPP Group**

###### Managed and supported the IT infrastructure and growing web Digital Studio. Manage infrastructure growth, maintenance and uptime as well as respond to company’s digital technology needs. Manage VMware VSphere environment Production, Development and Staging clusters, VMware virtual cloud director 5.1. Provide external client facing support for new products / applications. Manage and mentor the IT team and day to day IT department functions Project management and take full ownership of IT projects. Management and support of client facing systems, and 24/7 operation. Burrows being part of the WPP group and with offices in US Detroit and NY, I work within the SOX compliance and experienced in SOX audit procedure

* Improve and advance the support service provided by the IT team
* Migration from exchange 2010 to outlook 365
* Implementation and support of XenApp 6 Farm
* Upgrade to XenApp 6.5
* Implementation of Xen desktop and Storefront
* Management and support for AWS deployment and cloud computing implementation
* Set up and management of Azure cloud computing
* Administration and support of Linux Centos 9 servers
* Install and administration of VMware virtual cloud director
* Design and build of MS SQL2012 server clusters
* Upgrade to VMware V-Centre 5.1
* SCCM administration, Imaging and deployment, application packaging
* Design and build IIS7.5 Load balancing clusters
* Administration and maintenance of 3Par Storage 80TB
* Design and implementation of Zenoss environment monitoring system
* Build and support Digital Intranet
* Scripting with windows PowerShell 2 and 3
* Worked as part of a team on major client facing projects such as Ford showroom and point of sale TV Apps/Mazda configurator

###### **Nov 2009-Nov 2011: Infrastructure Engineer, Stylus Media Group**

###### Designed and built the infrastructure back-end and front-end systems, as well as providing all levels of support to both systems. The infrastructure consisted of 20 Windows server 2008 and Mac server snow leopard 10.6 SAN storage design, installation and support. Also provide support to UK and international users overseas. Support of client facing systems and 24/7 operation.

* Design and build VMware V4 hosted system
* Support and administration of XenApp 6 farm
* Design build and support of MS SQL servers 2008
* Administration and support of the linux Ubuntu servers
* Migration of MS SQL 2005 to SQL 2008
* Build and configure 2008 servers hosted on VMware
* Convert current live web-server to VM environment
* Build and set up Mac Snow leopard server
* Roll-out of shared SAN storage
* Build and support both Mac and PC Laptops and desktops
* Windows PowerShell 2
* Manage and support corporate firewall and network (CISCO ASA)

###### 

###### **Dec-2006-Oct 2009: IT Manager, Emperor Design Consultants**

###### **Jan-2004–Nov2006: Systems and Network Administrator, GS1UK Ltd**

###### **Jan 2002-Jan 2004: Network Manager, Central foundation girls’ School, London**

###### **Jan 1999-Dec 2001: IT Manager, The British Council, Kathmandu, Nepal**

###### **Jul 1996-Dec 1998: Systems Administrator, The British Council, Cairo, Egypt**