# Mo Tahir (Cloud, DevOps & Automation)

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**Email:** mtahir@talk21.com

**Nationality:** British

**Driving Licence:** Full clean UK licence

**Availability:**  Immediately

**Contact Preference:** Email

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#### Personal Profile

Over the last 17 years I have built up a proven track record of building successful products and teams that deliver projects on time and within budget, using the Agile processes across both DevOps and Development.

I have hands on knowledge in Software Development, DevOps and Cloud Computing, in both Azure and AWS. Experienced in developing Zero Downtime Cloud Applications and Infrastructure from scratch, as well as maintaining existing infrastructure for some household brands.

Experienced in building Enterprise Grade CI/CD pipelines in to production. Passionate about Automation and best practice in the full lifecycle of the development process. Happy to lead teams or work independently, with a flexible can-do attitude. Willing to take on opportunities in DevOps or Software Development.

In my previous roles, I have designed, coded, and developed enterprise level

Software Applications. Developed Cloud Infrastructure in Azure and AWS, Managed Projects

and built Pipelines in to production, taken ownership for delivery, and worked across both

Development and DevOps, whilst managing and motivating multiple teams.

I build highly cohesive and successful products and teams.

## DevOps Tooling Experience

Programming languages .NET Framework 1.0, 2.0, 3.5, 4.0, 4.5 (C#, and VB.NET), ASP.Net (Web & Windows Forms) Web Services, AJAX, WCF, ASP.Net Web API, MVC 5.0, Classical ASP, Visual Basic 6.0 (COM), Java, T-SQL, XML, XSD, XSLT, JavaScript, EXTJS, JQUERY, HTML, (X) HTML, CSS, Angular JS, Linq, Entity Framework, Dapper ORM, Poweshell, Ruby, Python, Groovy, Go.

DBMS Microsoft SQL Server 2012/2008/2005/2000, Access, Bond Adapt, Elastic Search, MongoDB, Postgres, Oracle

Development Methodologies AGILE, UML, RUP, SSADM, SCRUM, KANBAN

Operating Systems Windows 2012/2008/2003/2000/NT4 Workstation/Sever, Solaris, Linux Suse, Linux RedHat, Linux Ubuntu, Centos, Oracle Linux

Source Control Visual Source Safe, Subversion, Github, TFS, BitBucket, VSTS, Eclipse

Networks VPC’s, VNET’s

Web Servers IIS, SharePoint, Tomkat

Containers Docker, AKS, Container Service, App Service

TDD MStest, Moq, Inspec Azure

Cloud Environments Azure, and AWS

Architecture SOA, Micro Services, CQRS, Message Bus (Rabbit MQ), Cloud Native, IOT Telemetry, Near Real Time Architectures

Provisioning/Configuration Puppet, Chef, PowerShell, Docker, Terraform, Ansible, Packer

Build Automation Jenkins, TFS, Team City, VSTS, AzureDevOps

Continuous Delivery GoCd, AppVeyor, TFS Release Manager, Octopus, Jenkins

PaaS ASE v1/v2 Web Apps (Linux & Windows), Sql Azure, Cloud Services, Azure Functions, Azure Service Bus, Sql Postgress, Application Gateways, WAF, OMS monitoring and Alerting, Heroku, and Lambda

## Management Experience

* Proven track record of turnaround and successful delivery of both Software Development and DevOps projects
* Taking full responsibility and accountability for delivery of business-critical software projects
* Technical delivery of enterprise strength applications across both public and private sector, involving architecture, design, resource allocation, management, and coding.
* Mentoring and training developers, testers, and scrum masters
* Pre-sales and client engagements, creating user stories, building consensus amongst stakeholders, and establishing agreement on what will be delivered and when
* Running workshops on introducing agile scrum concepts
* Recruitment and management of developers
* Performance management of direct reports
* Management of resources and ownership of full project lifecycle through to delivery and support
* Running daily stand-ups
* Facilitating planning, retrospectives, and reviews
* Reporting up to board level
* Practical experience of implementing Agile Scrum and Kanban on failing projects and practical experience of applying these to set the project course for success
* Experience of introducing organisational change and practical application of Agile using Scrum and Kanban processes.
* Leading three teams to successful delivery.

## Employment History Summary

**24/05/2018 – 29/11/2019 Lead Dev Ops Engineer (Toshiba)**

**10/10/2017 – 23/05/2018 Senior Platform Engineer (Asos)**

**24/04/2017 - 09/10/2017 Senior Dev Ops Consultant (Contino)**

**24/10/2016 - 23/04/2017 Dev Ops Engineer (Markerstudy Group)**

**20/07/2016 – 20/10/2016 Senior Developer (RWE Npower)**

**30/03/2015 – 12/07/2016 Lead Developer/Dev-Ops (Sainsbury’s)**

**08/06/2009 – 29/03/2015 Senior Developer/Dev-Ops (Abacus E Solutions)**

**06/02/2006 – 05/06/2009 UK Applications Manager (Randstad Education Group)**

**29/09/2003 – 03/02/2006 Web Applications Developer (West Midlands South Strategic Health Authority NHS)**

**08/10/2002 – 25/09/2003 IT Administrator (West Midlands South Workforce**

**Confederation NHS)**

**08/11/2000 – 03/09/2002 Part Time Helpdesk Analyst (BT Multimedia)**

**16/10/1997 – 10/05/1999 Part Time PC Sales Assistant (Dixons DSG Group)**

###### References

References provided on request

#### Education

2007 - 2009 **University of Coventry**

PGDip Information Technology

2000 – 2002 **University of Coventry**

BSc Honours Computer Science (2:1)

1997 - 1999 **University of North London**

HND Computing

1995 - 1997 **Tile Hill College**, **Coventry**

GNVQ Advanced Business and Finance

1988 - 1993 **Sidney Stringer School and Community College**, **Coventry**

G.C.S.E English (A), Maths (C), Humanities (B),

Science Double Award (C, C), Drama (C)

**Technical Qualifications**

MCSD Azure Solutions Architect

MCSE Cloud Platform and Infrastructure

MCSA Azure Cloud Platform

SCM Certified Scrum Master

##### Detailed Employment History

**Toshiba(Lead Dev Ops Engineer)**

I worked on a greenfield project to Design and Build an Enterprise grade DevOps IoT platform to integrate with smart meters.

Worked under the CTO to translate the business requirements in to suitable cost effective

secure cloud infrastructure.

I built and delivered secure production grade Cloud Infrastructure for a micro-service based IoT platform, using Infrastructure as Code, and Automation.

I designed Application Delivery Pipelines for Java Springboot Micro Services. Using Automation CI/CD and DevOps tools including Git, AzureDevops, Terraform, Packer, Ansible, Jenkins, Docker and Kubernetes.

I designed the RBAC in Azure Active Directory, and was responsible for the security design of all cloud infrastructure for Toshiba, currently consisting of 8 environments. Ensuring Network Security Groups, and Adequate DDOS protection and threat detection was in place.

I also designed the monitoring platform to integrate with DataDog so we had visual metrics on infrastructure and uptime.

I built the automation platform and configured Jenkins, Artifactory, SonarQube, OWASP Zap and defined the deployment process and pipelines. I designed and built groovy based automation libraries to ensure the deployment process was in-line with stakeholder expectations.

I designed and built the application gateways using layer-7 and OWASP compliant rulesets, I designed all the routing to backend services in the AKS cluster and automated these configurations.

I designed the networking and security of the platform and containerization of all the services in to micro services moving from a vm-based architecture in to AKS. I designed the processes and automation to insure we had the ability to release in to production on a weekly basis, using automated tests, and deployments, to ensure deployments progress through dev->test->uat->production.

Conducted all penetration testing with third parties, and ensured appropriate remedial action was taken to ensure the infrastructure was compliant with security standards defined by OWASP 3.0 ruleset and ISO27001

Used an Open Source DevOps Toolchain to Provision, Configure, and Deploy Container Based Micro-Services and PCI/Nesa/CSA compliant infrastructure in to AKS in Microsoft Azure Cloud.

**Asos.com (Senior Platform Engineer)**

Developing secure CI/CD pipelines for both infrastructure and applications using TeamCity, Octopus Deploy, ARM Templates, Ansible, Puppet, Terraform, Powershell and DSC. Specialising in Linux, Oracle Retail in Azure on Linux and Windows IaaS.

Designed the infrastructure using ARM templates and teamcity for orchestration and Octopus for deployments to infrastructure. Designed and built scale sets to enable the running of Oracle-Retail in the Cloud.

Worked with Oracle development specialist to automate the deployment of java services to the various servers. Streamlined the process by automating a very complex deployment process using powershell modules, in Octopus Deploy. This allowed the development team to manage deployment of packages independently using automation. Automated the reporting of these post-build to confluence to aid the release management notes and details.

Designed and built the networking topology and subnets and segregation of Oracle Retail API’s, Designed modular pipeline allowing us to deploy changes to individual components whilst also being able to create a new environment fully from pipelines.

**Contino Global DevOps Consultancy (Senior Dev Ops Consultant)**

Developed an open source DevOps toolchain, and a world class cloud platform using the latest tools, specializing in Linux, Java, and NodeJs on Azure, IaaS and PaaS

Consulted with the Ministry of Justice on behalf of Contino, to help the MOJ improve their Cloud Architecture and CI/CD process.

Implemented PCI compliant PaaS architecture and designed Cloud environment to house probate online as part of the MOJ initiative to increase legal services online.

Designed networking security and created PCI compliant cloud architecture.

Built all automation using Infrastructure as Code using, Jenkins, Terraform, Packer, Consul, Vault, ARM Templates, and GitHub.

**Markerstudy Group (Dev Ops Engineer)**

To mature DevOps practices and application lifecycle management with the aim of building a word class IOT cloud computing platform, for an insurer backed driver behaviour monitoring device capable of recording driver behaviour, telemetry, images, and video.

Designing a scalable architecture in Azure to accommodate massive parallel processing of thousands of messages a second in near real time.

Using Automation, Continuous Integration/Deployment pipelines, and automated testing using TDD/BDD tools and techniques.

Creating a word class DevOps platforms for an Internet of Things (IOT) application hosted in Azure, with the scalability to accommodate stream data from half a million devices.

Hosting Docker Containers in Azure Container Service

Continuous Build, Integration and Deployment with the latest tools using VSTS, Jenkins, Release Manager, and Octo Deploy.

Configuration Management with Puppet, Docker, Chef, and vendor native tools such as PowerShell desired state configuration.

Developing infrastructure as code using ARM Templates and PowerShell.

Building CI/CD pipelines using Jenkins and TFS Release manager.

Building Zero Downtime environments in both PaaS and IaaS.

Embedding DevOps techniques and culture.

**RWE Npower (Senior Developer)**

• Hands on development of Npower.com website, the leading website in the energy sector.

• Used expert knowledge to inform platform development roadmap in conjunction with Development Manager

• Assessed new technology, informing and sharing key leanings, influencing and evolving development practice, process and frameworks.

• Lead in the design, development and delivery of web and business applications

• Worked with eCommerce Programme team to analyse briefs and business requirement documents, developing detailed web functional specifications

• Provided appropriate technical designs and specs as required

• Informed decisions around npower.com architecture (hardware and software; live, development and test) ensuring all security standards etc. are applied and met.

• Liaised with associated third parties and IS, ensuring service level delivery for both operational and change activity, and continually improve relationships

• Provided expertise and take responsibility for the continual improvement of ‘back-end’ framework and processes

• Owned and managed the operational support workflow, escalation, fixes, disaster recovery, prevention, and work to continually improve associated processes

• Implemented improvements to ensure the Content Management System(s) enable(s) best working practices and cost efficiency across the e-commerce team, and the broader business if required

• Worked with the Planning & Controls team to document and improve associated processes, standards and frameworks for consistent internet delivery

• Considered external developments to establish best practice for npower.com

• Worked with Planning & Controls team to provide QA & compliance delivery, including third party QA and compliance.

**Sainsbury’s (Lead Developer/Dev-Ops)**

I completed 2 enterprise standard projects, I developed a Single Sign on solution for all colleague apps based on Azure Active Directory for authentication and Asp.Net Identity for authorisation. I created a framework for developing responsive web apps that work across all OS platforms using Angular JS, ASP.Net MVC, ASP.Net Web API. A Stateless architecture using REST.

I provided from a single code base the ability to render on mobile phone, tablet and desktop devices, using both responsive and adaptive approaches. I Introduced RabbitMQ, an open source message bus, Jenkins for automated builds, and GoCd for continuous delivery in to our Cloud environments. I introduced Terrafom and worked with DevOps to develop configuration management for our Load Balanced VPC’s as IaaS in both Windows and Linux. I also deployed several .Net projects in to Azure PaaS, using Azure Web Apps. Facilitated in the development of and the use of Docker to containerise applications, and networks, and development of Docker workflows.

I architected two applications based on the micro service architecture. I provide both high level and detailed designs depending on the audience. I provided expertise in the deployment and configuration of applications in AWS and Azure cloud environments. Configuring virtual networks, load balancers, auto scaling, and performance monitoring.

I built a continuous integration pipeline with Packer and GoCd for Infrastructure Development and Testing. I created capability in the teams I work in, to work in 24-hour feedback cycles, progress is made very quickly as we communicate with the product owners, testers, and developers through UAT/QA environments from the first sprint. I also used the following components of the AWS cloud platform, Amazon S3, and Amazon RDS.

I ensure that Continuous Integration is in place from the first sprint, and I ensure that all team members adhere to good coding standards using TDD. All my teams achieved 100% code coverage on Unit tests for all JavaScript code and a minimum of 90% code coverage in C# code. I encouraged the use of design patterns and the SOLID approach, as well as ensuring DRY, and YAGNI. I designed and produce systems that are easily configurable, updateable, scalable and loosely coupled.

I have been involved in recruitment, and interviewing candidates. I successfully recruited many developers who are now working in Coventry D&T.

All sprints across my teams finished on time, within budget, and to the satisfaction of the Product Owners, InfoSec and UX. I lead three scrum teams.

I helped secure more work for my teams as my Product Owners brought a steady stream of work to Coventry from Retail and Operation teams. The Product owners were impressed with the service they received, and the professional and timely delivery of all sprints.

I replicated the same success for several projects, and helped secure funding for two more scrum teams based in Coventry.

I built good relationships with Product Owners, InfoSec, Dev-Ops, UX, Architects, and Enterprise Services. I take pride in delivering exactly what my customers want.

**Abacus E Solutions (Senior Developer/Dev Ops)**

I completed 60 projects involving development of both front end and back end software. Using ASP.NET 4.0, EXT JS, VB.NET, JQUERY, LINQ, XML, XSLT, T-SQL, CodeSmith, and VB 6.0.

I resolved several hundred bugs and usability issues across the current suite of products.

I have been involved in analysis and design, consultancy with customers, project management, testing, and implementation of software within customer’s sites.

I improved the existing software suite to be more user-friendly and efficient.

Provided consultancy to customers to ensure that software was being developed correctly against their requirements.

I Conducted code reviews and provided recommendations for improvements.

I developed software to established company standards.

Lead a team of developers using the Agile Scrum processes.

Introduced TDD, and implemented continuous integration and deployment pipelines.

Implemented cruise control for automated builds and deployments.

**Randstad Education Group (UK Applications Manager)**

I developed and project managed to completion the implementation of a new front office for Randstad Education PLC, working in partnership with external suppliers, working through the full project lifecycle based on the Agile Process. I managed board expectations and supplier relationships to meet all the desired objectives of the replacement front office, and integration with operational systems.

I developed various plug-ins written in C# to extend the functionality of the core front office product, to better meet Randstad Educations requirements for compliance. I developed an automated data migration solution written in T-SQL, DTS and Clip to migrate all current data and mappings in to the new front office for Randstad Education. I designed and coded all the business rules to ensure compliance in SQL Server 2005 using SQL Server stored procedures, functions and triggers.

I extended and upgraded the Management Information System written in ASP.Net 1.0 to ASP.Net 2.0. I wrote a new interface layer in c# to present the information using data grids and chart fx, creating new web forms, and coding T-SQL stored procedures to retrieve and update data.

I wrote various windows services to integrate the front office system, also integrated SharePoint portal server based intranet and public facing websites using a mixture of web services, bespoke c# plug-ins, SQL Server DTS and Windows Services.

I also successfully project managed a remote team based at MinVista technologies, who built a Microsoft.Net 2.0 application in ASP.NET, utilising Microsoft Enterprise Library, to manage our Criminal Records Bureau checks.

I implemented a continuous integration, and continuous deployment environment using Cruise Control, Subversion, and VB Script.

Lead three teams of developers working in partnership with our internal customers up to board level. Utilised the Agile Scrum process for successful delivery of projects.

**West Midlands South Strategic Health (Web Developer)**

In my time at the West Midlands South Strategic Health Authority I persuaded management to use the talents within the organisation and I successfully designed and authored a web based performance management system in house, using ASP.Net 1.0 and SQL Server 2000, working in partnership with the information team, resulting in a cost saving of 90%. The system integrates with Microsoft Office 2000 API and OLE-Automation.

This involved full project lifecycle, including hands on coding, design and overall architecture. This system was implemented on the NHSNet (NHS Intranet) and is in use by performance managers in Hospitals, Trusts and PCT’s in the West Midlands South Region.

**West Midlands South Workforce Confederation NHS (IT Administrator)**

I successfully managed and improved the network and communication function of the Workforce Development Confederation in my time there as IT administrator. I developed several bespoke applications in classical ASP, SQL Server, and Microsoft Access to make existing processes more efficient.