MUNIR SYED  **{Available now}**

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**Hobbies and Interests:**

Developing, streaming and hosting games online. Working on personal projects (see Github page). Researching latest technologies, undertaking trainings and recording tutorials.

**Personal and Professional experiences:**

1. **MCP (Microsoft Certified Professional)**
2. **Motivated and all round skills.Team player / good soft skills/Quick learner / Self starter/Ability to mentor others (Mentoring experience)**
3. **Have experience with Agile Practices, experience with TDD, Unit Tests, and CI/CD processes.**
4. **Experience of deploying to MS Azure, connecting Github with Azure.**
5. **Worked in all sectors and all types of organization.**
6. **Analytical skills/OO Design Patterns/ SOLID principles(C#/Javascript)**
7. **Experience in DESKTOP DOCKER AND AZURE Integration and Deployment.**
8. **Speak/Write in ENGLISH/FRENCH/ARABIC**

**Trainings Undertaken and completed:**

**Microsoft Azure DevOps Engineer: Creating an Automated build workflow.**

**Advanced React and RxJS**

**Advanced Typescript, Node JS, Express, Mongoose, MongoDB online training.**

**K2, Advanced COM+/Remoting and C#/ Udemy CEH Certified Ethical Hacking**

**Technical skills:**

|  |  |
| --- | --- |
| **CORE SKILLS** | **DATABASE** |
| C# | T-SQL SQL Server version 6.5 - 2008 |
| VB.NET (INC. VB 6) | PLSQL ORACLE Server |
| WPF MULTITHREADING)/WINFORMS/MVVM | Siebel |
| WCF | MongoDB |
| **WEB PLATFORM** | **Dev Ops** |
| ASPNET (INC. CLASSIC ASP, MVC 4.5, CORE)  Typescript/JAVASCRIPT/ Angular 7+ / REact, JSON Server, RxJS, JQUERY, TYPESCRIPT ES6, Node.Js, EXPRESS, REST API, JSON/AJAX , MONGOOSE | AZURE Boards/ Azure Git connected  Jenkins  Octopus Deploy  Azure B2C Services  Bitbucket  Git Migrations  MSMQ/Rabbit MQ |
| HTML 5 | BizTalk Server 2006 (With SAP integration) |
| CSS 3 / SCSS | WebServices (inc. SALESFORCE, Amazon S3/ AWS, 3Pi) |
| ANDROID(Eclipse/Java) **/** FLUTTER | SOAP |
| **CONTENT MANAGEMENT SERVERS (CMS)** | MSMQ (Message Queue) |
| MS CMS | XML,Xslt,XPath ,SAX Parsers |
| OBTREE | MTS/COM/COM+ |
| EPISERVER 7.0 | **Report Tools** |
| **VERSION CONTROL** | SQL Server Reporting Services |
| TEAM FOUNDATION SERVER | Crystal Reports |
| PERFORCE | MS Access Reports |
| VSS |  |
| GIT | **Development Tools** |
| **TECHNOLOGIES** | Wireshark |
| DESKTOP DOCKER | NUni,Moq, NSubstitute, Xunit |
| WINDOWS SERVICES | Nant, Jasmine |
| .NET REMOTING / INTEROP / NET SOCKETS | Reflector |
| MULTITHREADING / PARALLEL PROGRAMMING | Firebug |
| .NET REFLECTION | Log4net |
| ADO.NET | NetTiers Code Generator |
| LINQ TO SQL / LINQ TO XML / ENTITY FRAMEWORK | MS Visio, VS Code, Visual Studio |
| TELERIK WPF/WPP CONTROLS  ATLAS AJAX TOOLKIT | MS Build |
|  | Passolo |

***Employment History***

**Client:**  Checkatrade, Portsmouth Jan 2020 – Present

**C#, ASP NET MVC Core, VB.net, .Net Core, Angular 8, REST APIs, microservies, Git, BitBucket, Jenkins, Katalon Test Suites, Kanbanizer, Postman, Swagger and oAuth2, Octopus Deploy , DevOps: CI/CD, Powershell, Unit Tests(NUnit/NSubstitute) , Git extension tool BFG repo-cleaner and Identity server.**

**1.** Migrated Company’s most important Git repository from Bitbucket to Github. During this migration, an unexpected issue arose with one of the files in the repository being over 100Mb in size, which is more than allowed by Github. In order to get the migration finished, I used a tool called BFG Repo-cleaner to remove the offending file from the repository and all the history. Successfully migrated the repository, given right access to all the developers, updated Jenkins jobs that were pointing to Bitbucket to point to Github, retested the jobs, sent out communications to team to clean their local folders and pull down the repository from Gthub.

**2**. Worked on adding new features and bug fixing the existing ASPNET C# Angular application, that used SQL Server backend. The site uses .net core REST API to manipulate data. The site requires front-end and back-end work, and usage of Jquery Javascript, CSS and SQL Server T-SQL. Using Kanbanize and BitBucket to manage the work and Git to checking/Checkout code. Also used Postman to add new REST API endpoints.

The development group’s policy is to use Git Rebase, instead of Git Merge to keep a linear graph of commit history.

Certain work involved dissecting authentication issues and working on Identity server. In order to debug issues with oAuth, I used Postman and modify headers.

**3.** Implemented CI/CD pipeline, which meant setting up a Jenkins Job to download Git latest code form the Release branch, run build on the code, then using Octopus’s OctPack.exe to package up the binaries and using the Push method send the package to the Octopus Repository. Then created an Octopus Deploy project, to fetch the package, unpack the package to a local IIS folder, clean up existing foldes, and setup all the necessary bindings and ensure the site is deployed with the latest changes. The octopus deploy project used a combination of internal features and Powershell to provide steps to enable the deployment process to realise. In case of failure, I used a community feature for Slack to slack the development team with the issue. In order to do this, a Slack channel was created and a Slack app with an API key so it can be accessed from Octopus deploy. The Octopus deploy process is kicked started by the Jenkins job so it is automated CI/CD pipeline.

**4.** Created a Jenkins job to work with Katalon Suite to run automated regression tests. Tests were developed by an internal test team. The job used Katalon Jenkin plug-in which is run from a Windows command line with specific parameters. The test is triggered by any commit to the Release branch, which happens when any code has passed Unit tests and is checked in by a developer and after a merge to the main branch.

**Client:**  Virtusales Ltd, Hove Oct 2019 – Nov 2019

**C#, ASP NET MVC, OWASP guidelines, OWASP tool , AntiXss and HttpUtility libraries and encoding techniques.**

**1.** Introduced the client to one of the world’s most popular web application security testing tools. Demonstrated a typical usage of the tool and it was handed over to their senior developer to further use of the tool. The tool helped the client to identify code/pages that were vulnerable to malicious attacks.

**2.** Worked on sanitising some input code which were vulnerable to malicious usage. Mostly using the correct contextual encoding in code.

**Client:**  Health Management Ltd, Lewes April 2019 – August 2019

**C#, VB.net, SQL Server, Javascript, ASPNET MVC, Opentok**

Worked on a migration tool from old system to new system, using C#, SQL Server stored procedures.

The tool had to run self contained and within the constraints of the database schemas. The tool was released as a task in Windows Task scheduler to run continuously without user interruption, in the background.

Worked on prototype to create a website to enable clinicians to run online video/sound enabled meetings, and enable the clinics patience to attend and view the meetings. It used the OpenTok platform to host and run the meetings, using session Ids.

The prototype was done in Javascript/HTML/Css3. The archiving feature was prototyped using C# and using Nancy web server to self host the feature.

* Source code version control is done through using Tortoise SVN tool, using it from command line, and the build and deployment is done through Octupus and Team City.
* All projects were managed using JIRA.

**Client:**  CAMC, East Grinstead JUNE 2018 – April 2019

**ASPNET Core Web API, Angular 7, RabbitMQ, Webforms, C#, VB.net, Fluent validations, , JQuery, Css 3.0, Redis, Fiddler, Postman, Octopus, TeamCity, Swagger, Yaml,Unit Tests(xUnit/NSubstitute) ,Git Source control, Bitbucket SourceTree, NLog and SQL Server.**

##### Project 1:

* Worked on a webform aspx project which is going to be replaced with an MVC aspnet Angular application.
* The delivery for this project was 1 week and the work involved displaying an HTML pop up overlay and redirect users to different parts of the site using cookies to only show the pop up once.

**Project 2**:

* Helped to install and configure on a brand new Red Hat Linux machine, RabbitMQ server, web client access levels and users.
* Developed Publishers/Consumers to work with RabbitMQ Server, enabling web API to call directly the RabbitQ Queue to push messages and consumers to pull the messages. Including a RPC scenario.
* Created interface to enable to logging to queue message on the RabbitMQ server from a WebAPI, using a custom made RabbitMQ Nlog database target.

##### Project 3:

* Worked on a greenfield project using ASPNET core 2.1 and Angular to display pricing data from SQL Server database. Project used Test driven development process, using XUnit and NSubstitute, a mocking framework. Code coverage had to reach 90%. Used Resharper to ensure every check-in with no warnings within the project from ReSharper. The company uses GIT repository and everyone works on a feature branch. Every feature completed requires the developer to do final check-in and a pull-request so that the lead developer reviews the code before merge is done into the main Development branch in Git.
* Other tools used HTML5, Css3, JQuery and NLog. Dependency injection tool used is the default Microsoft one.

##### Project 4:

* Brownfield project, using webform added CSRF mitigation measures to ensure that every requests is a genuine one from the client(Browser) to the server, circumventing Man-In-The-Middle attacks.
* Used C#, ASPNET, Fiddler and Browser development tools.

##### Project 5:

* Greenfield project: Working on few projects that involved creating ASPNET MVC Core 2.1 Web APIs.
* These were plain GETS, that returned OkResult object, therefore a status of 200. This was in readiness to moving these into multiple microservices.

##### Project 6:

* Using ASPNET MVC Core 2.1, created a Middleware HTTP Traffic logger.
* The logger used NLog underneath it al and used NLog configuration file to save log information to database.

##### Project 7:

* Using VB.net, worked in further improving the internal Timesheet application that logs employee times ad generates a SQL server SSRS reports.
* This application was started by a previous employee who had subsequently left and I was asked to make the changes to it, since I have a background in VB.net. Note, this application will be superceded by an ASPNET web based application which is being designed in ASPNET core using C#

Note:

* All greenfield projects had to have a unit test coverage of 90% and no warnings in Resharper.
* All builds and deployment were done through Octopus and Team City.
* All projects were managed using JIRA.

**Client:**  Health Management Ltd, Lewes FEBRUARY 2018 – June 2018

**C# Developer, Contractor.**

* Working on Company’s main internal Windows application, using Syncfusion controls.The application uses multi-threading, using in parts the Parallel framework and debugging the application requires knowledge of the Thread window and good practices when using modules that span across multiple threads. The applications uses SQL Server as the database repository, and also uses runtime PDF creation tool to save data in PDF format to various physical locations.
* The application uses XSLT and XML to render dynamically contents of database into PDF and generate PDFs for viewing.
* Source code version control is done through using Tortoise SVN tool, using it from command line, and the build and deployment is done through Octupus and Team City.
* All projects were managed using JIRA.
* Worked on adding security features to their online portal which uses both ASPNET webforms and MVC.
* Revamped the site to match corporate colours, logos and fixed performance issues and added the ability for the site to hook into their new REST API framework.
* Cross browser support and using browser developer tools to fix site Css and make it support designated screen resolutions.
* Worked on the new REST API framework, using the MVC framework, and Entity Framework.
* Added middleware for setting recommended security headers injected on pages at runtime.

**Client:** OneFamily, BrightonSEPTEMBER 2017 – February 2018

**IT Digital Developer, Contractor.**

* Worked on configuring authentication, customisation and security on Azure B2C.
* Azure authentication using OpenID connection and customisation using Branding feature.
* Worked on an ASPNET Core 2.0 project using Azure Graph API to enable users to change details held in Azure.
* Added middleware for handling generating 404 for resources like images differently to pages.
* Added middleware for setting recommended security headers injected on pages at runtime. The site has since passed site Pentest first time.
* Added Unit test coverage everywhere using XUnit.
* Worked on Troubleshooting the site on Azure using Azure dashboard accessing the servers and files on the cloud.
* Added Azure authentication middleware to authenticate users using OpenID connection process.
* Worked on Secure messaging module to act as Inbox/Archive/Reply message feature.
* Worked on adding a timeout feature using Javascript to ensure idle sessions are terminated according to set times.
* Added Branding features using Azure dashboard, for example reset email injected with logo and custom signature.
* Worked on adding StormIQ/Google Tag Manager Tracking code injected into pages.
* Worked on using compiled CSS, Scss and Gulp and Bower/NPM to download dependencies.
* Worked on the latest Razor Pages technology when developing an Admin tool to query and update Azure based data using Graph API
* Created Azure application to configure Graph API, including access permissions.

**Employer:**  AXS.com MAY 2017 – AUGUST 2017

**.Net Developer, Contractor**

* Designing and helped in architecting ASPNET Core web application for booking events, like football, cricket and Music (O2 Arena/Arsenal FC/Surrey Cricket club), using Angular and Redux.
* Added Redux to the site to enable sharing of same data across multiple users, and also to make the features for components created testable.
* Helped to create a Polymer.js components, e.g calendar that could run on the internal site to display technician’s diary. This used Node.js to get data.
* Added security framework to authenticate the user using the core security libraries.
* Organised and led a team of four when the project stalled to enable delivery of the prototype for demo.
* Worked on 3D SVG images to display actual view from the seat when booking an event using the tool.
* Used extensively JavaScript to target SVG elements to modify and inject texts on images showing seats.
* Worked with a colleague on performance profiling and outlining recommendation on an existing web booking application developed by the Swedish development team, including recommendation on using Mediatr tool for reducing dependency injection interfaces into controllers, NPoco for database and Redis for dynamic caching.

**Employer:**  Star MARCH 2014 – MAY 2017

**Senior .Net Developer, ASPNET, C# and VB.net, SQL Server, MS Access, Jenkins, OWASP, Zaptool, Burp suite - Permanent**

* Designing and architecting Star’s new portal, using ASPNET MVC, on Angular framework, along with Redux which is a state container, consuming data through REST API and using SQL Server back-end. Using JWT Token for Authentication.
* Designed, developed and deployed an ASPNET website, which is one of the biggest revenue generating software at Star, [https://my.epayslips.com](https://my.epayslips.com/).
* Added mitigation framework against security vulnerabilities to the ASPNET site, including CSRF and Session hijacking amongst others - The site is pen tested by a third party pentesters
* Developed, designed and deployed a landing page - [https://secure.epayslips.com](https://secure.epayslips.com/)
* Working with key personnel to develop department  technical road map
* Worked with internal team to put in place disaster recovery including fail-over on web servers and SQL Clustering on MSQL server databases.
* Worked on Windows application using VB.net, adding features, bug fixing and supporting the application.
* I setup JENKINS as a build server, using the TFS plug-in to get solutions from TFS and using MSBuild to build these, and deploy them to various UAT/release folders.
* The windows Payroll, called Star Payrolls, application development was initially done in VB.net and subsequently ported to C#, as the management wanted to attain more developers in the industry as it was getting harder to recruit developers with VB.net skills. Participated in training the existing staff in c# and helped to move the application to c# 4.6, from VB.net.

**Employer:**  Public-iMARCH 2013 – FEBRUARY 2014

**Employer Website: www.Public-i.info**

**.Net Developer, Contract**

* Designed and developed a responsive website to run on smart phones/tablets and enables users to control cameras/presentation and seating microphones during a live conference.
* Worked on a WPF Video Webcast/conference Real Time system, that is now widely used by a world renowned end client as a software to webcast conference videos .  Every council in UK uses this piece of software. It uses WCF to expose JSON REST APIs, and saves presentation/video conferencing data to Amazon’s AWS (using AWS SDK Kit)

**Employer:**  CubeworksDEC  2012 – FEB 2013

**Employer Website:**

**Lead .net Developer, Contract**

* Designed and developed integration between EPiServer 7.0 ASPNET MVC site and Microsoft Dynamics

**Employer:**  Helix Sustainware LtdSEPT 2012 – Dec 2012

**Employer Website:**

**Senior .Net Developer, Contract**

* Involved in Architecture and implementation methods and techniques for a large project and helped to scope out all the relevant components of the project ASPNET MVC Ajax 4.5, Azure, SQL Server and C#.

**Employer:**  Public-iMARCH 2012 – SEPT 2012

**Employer Website: www.Public-i.info**

**.Net Developer, Contract**

**Technologies used:**

* Worked on a WPF Video Webcast/conference Real Time system, using Amazon AWS.

**Employer:**  Friday Ad GroupSEPTEMBER 2011 – MARCH 2012

**Employer Website:** [**www.friday-Ad.co**](http://www.friday-ad.com/)**.uk**

**.Net Developer, Contract**

* **R**ank Tracker: This application has 5 separate components: The first four components are all c# services with the first service which posts a search word, as well search engine name and a date range to a third party  server which returns URL of the search results. The results are in JSON format
* Site Analytics: this is a ASPNET MVC 3  application, built using razor engine and using MVC 3 platform.

**Employer:**  DIMENSION DATA, SYDNEYAUGUST 2010 – AUGUST 2011

* Built Asset Quoting system, which extracts assets from Siebel Database, creates SalesForce.com Opportunities, and displays assets in an xbap application (WPF). The application is also accessible through an ASPNET MVC 3 interface to the Sharepoint Portal, to enable a restricted access to certain modules, like the Assets viewing and pricing details.
* Mentored members of staff, in .net (C#/WPF/ASPNET/JQuery/ MVC 3 and SQL server technologies.

**Employer Website:** [**www.dimensiondata.com**](http://www.dimensiondata.com/)

**Senior Applications Developer, Permanent**

**Employer:**  MIA, SYDNEYNOVEMBER 2007 – JUNE 2010

**Employer Website:** [**www.miainternational.com**](http://www.miainternational.com/)

**Software Developer, Permanent**

* Designed, built, tested and released a Billing ReSubscription application in C#, utilising .net reflections and multi-threading techniques alongside Object Oriented techniques. The system was called **BRM** (Billing Re-subscription Manager)..
* Toyota 360 project: Web/Mobile UI car image interactive application which using JQuery and JQTouch,
* World Now Android application, which uses Web Service data feeds to show current news, videos and weather reports, at national level as well as at determined geo location level. The product supports *Sony Xperia, HTC* Desire, Dext, Nexus and Samsung phones. JAVA/XML/JAVASCRIPT/HTML

**Employer:  STA, BRIGHTONJULY 2007 – NOV 2007**

**Employer Website:** [**www.statravel.co.uk**](http://www.statravel.co.uk/)

**.NET Developer, Contract**

* Designed and implemented using mainly ASPNET Forms  a Travel/Ski booking system that plagued into the current legacy system to generate 24/7 requests, with the usage of MSMQ technology.

**Employer:**  BIDROUTE, LONDON           APR 2007 – JUL 2007

**Employer Website:** [**www.BidRoute.com**](http://www.bidroute.com/)

**.Net Developer, Contract**

* Worked on the first automated auction service for equity portfolio trades system in the world. A web application, which handles multi region bidding activities from brokers anywhere.

**Employer:**  East Sussex County Council (ESCC), Lewes.         JAN 2007 – MAR 2007

**Employer Website:** [**www.eastsussex.gov.uk**](http://www.eastsussex.gov.uk/)

**.Net/Biztalk Architect , Contract**

* Responsible for Design, Implementation and rollout for Microsoft BizTalk 2006 Orchestrations.
* Responsible for Integration of legacy systems from various disparaging Technologies, including integration between .net applications and the SAP R3 application which is used for producing payment invoices.
* Responsible for producing Design documentation of BizTalk implementation.

**Employer:**  FDM, Brighton.         SEPT 2006 – DEC 2006

**Employer Website:** [**www.**](http://www./)**fdm.com**

**.Net Architect, Contract**

* Responsible for developing and managing the application infrastructure and security implementation of the externally facing e-Commerce environment.
* Products developed include authentication and authorization services
* Leading a team of 3, one senior developer and two developers.

**Employer:**  Detica, London.         MAR 2006 – SEPT 2006

**Employer Website:** [**www.detica.com**](http://www.detica.com/)

**.Net Lead Developer, Contract**

* Produced project documentation, liaised and reported to project manager on Technical Architecture.
* Lead a team of 3, one senior developer and two developers.
* Designed, developed and deployed BizTalk Server 2004 Orchestrations.

**Employer:**  CMS Cameron McKenna, London.              NOV 2005 – FEBRUARY 2006

**Employer Website:** [**www.law-now.com**](http://www.law-now.com/)

**.Net Architect / Lead Developer, Contract**

* Re-designed the original application from scratch to add Practice Support enhancements.
* Produced project documentation and liased with project manager to ensure smooth progress
* Mentored a junior member in C#/ASPNET.

**Employer:**  Cerillion, London.                                APRIL 2005  – OCTOBER 2005

**Employer Website:** [**-**](http://www.law-now.com/)

**.Net Developer, Contract**

* Led a team of 2/3 during implementation phases.

**Employer:**  Elite Incident Management, Brighton                               JULY 2002 – APRIL 2005

**Employer Website:** [**www.eliteim.co.uk**](http://www.law-now.com/)

**Senior Software Design Engineer, Permanent**

* Contributed successfully to software design and architecture for internal systems, new and existing.

**Employer:**  FDM, Brighton                                        AUGUST 1998 – JUNE 2002

**Employer Website:** [**www.fdm.com**](http://www.fdm.com/)

**Microsoft Technical Consultant, Permanent**

* In charge of Microsoft stream and in charge of mentoring junior members in Microsoft products. Had 20 juniors under my guidance.

***A***