

MUHAMMED ALI KHAN

.Net Developer, Total Synergy
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OBJECTIVES

I am a hardworking and committed individual with a focus on engineering smart solutions. Currently, I am working on Azure Cloud and C#/.Net stack and have worked with Web APIs, Web Applications, SPAs, SQL Server, Entity Framework, and Azure's cloud services.

I am seeking an engineering role where I can further my skills in software development on C# and .Net Framework. I am technically hands-on and well versed with data structures, algorithmic complexity, and performance tuning.

Visa Information

I hold **Permanent Residency** Skilled Independent Visa (**Subclass 189**) which enables me to work in any state/city without any limitations.

LANGUAGES

English (US) – Fluent / Full Professional Proficiency.

International English Language Testing System (**IELTS**) - 7 of 9 bands.

EDUCATION

Staffordshire University
BS (Honors) Computing

Stroke-on-Trent, England
June 2009

Employment History & Work Experience

Total Synergy, Sydney, Australia
Backend .Net Developer

January 2020 – Current

- Worked with Entity Framework, Redis Cache, MVC, AngularJS, Angular 9, LINQ, SQL Server, .Net Core, etc.
- Well acquainted with multiple design patterns and their uses.
- Extensively used Azure portal and application insights for debugging and performance scaling and tuning.
- Worked in a fully agile environment
- Expert in C# and .Net Framework.
- Optimized and drafted queries for SQL Server 2018.
- Experienced Azure platform and its services
- Worked on bug fixes and maintenance for existing product.
- Worked with Entity Framework 6, .Net Core 3, Azure tables and blobs and C# 6,7 and 8.
- Worked with dependency injection, services, MVC, MVVC and other architectures.
- Hands on and a team player. Groomed junior resources on 2 projects and achieved the timelines with praises from the client and team members.

TTG Transportation Technology Australia
Software Development Lead

January 2018 – January 2020

- Developed windows services, console and WinForms applications, class libraries, tools, and utilities alongside backend server-side code.
- My achievements include developing:
 - A C# library called Speed Restriction prioritization tool that resolves complex rules to determine the applicable speed restriction for optimized train driving.
 - A C# console application called TTGLogLoader that is built to parse and process 80,000 logs into ETL tables after performing validations and consistency checks.
 - A C# windows service called TTGLiveFeedService that utilizes a WebSocket to transmit protobuf to exchange live information with on-train units for driver advise and information exchange.
 - A C# windows service called TTGIndexer that indexes a monitored file system to generate a download script for file syncing.
 - A C# based testing framework used to load and execute test cases specifically designed to regress all applications
 - A centralized store for application configurations (MSSQL Server 2016) which works to expose configurations for all TTG applications. This involved writing stored procedures as well as C# application modules to use the configurations.
 - A unified codebase in the form of a class library called TTGUtility where all common code was layered for reuse by all applications being developed by TTG.
 - Created system health monitoring tools that report the statuses of the deployed services and applications
 - Created numerous WPF based applications for data flow and application monitoring on server.
- Technologies: C# 6, .Net 4.5 Framework. Familiar with the new features of C#7.0
- Implementation of TDD and CI (custom framework and Jenkins). Alongside, implemented code coverage analysis tools such as OpenCover and integrated it with Jenkins to provide a better understanding of the code coverage provided
- Implementation of SCRUMBAN
- Worked as an architect to provide solutions using C#, .Net and Azure infrastructure stack.

SS&C Primatics Financial Inc. USA
Technical Lead / Senior Technical Lead

February 2015 – January 2018

- Technologies worked on: J2EE, PowerCenter workflow design (ETL), pl-SQL, JavaScript.
- Worked on writing numerous tools based on Java/Spring.
- Worked on numerous plugins for the Evolv application which was a web-based loan accounting and valuation platform.
- Worked on jquery and implementing a pdf based printing utility that would print out reports in pdf format.
- Identified numerous workflow related issues in the daily activities and created/developed numerous utilities to facilitate my own team and business teams as well.
- Extensive exposure to writing stored procedures and functions on Oracle 9c.

Axact Pvt Ltd. Pakistan
Architect / Senior Architect

November 2012 – February 2015

- Technologies used: XCode, C/C++, Swift, Objective C, JavaScript, React JS, Node JS, Cocos2D, Cocos2DX, Java, JNI, Eclipse, Unity 3D, C#, Mono.
- Worked on developing 52 casual games for numerous clients.

- Main programming language was C++11 and the framework used was Cocos2Dx 2 and 3. However, Java and Objective C were used for third party integration through JNI and native interfaces.
- Contributed numerous utility and helper classes to cocos2dx community.

Cubix Labs Pvt Ltd. Pakistan

Senior Mobile Application Developer

January 2012 – November 2012

- Technologies used: XCode, C/C++, Swift, Objective C, JavaScript, Node JS, Cocos2D, Cocos2DX, Java, JNI, Eclipse, Unity 3D, C#, Mono.
- Worked on developing 5 game titles with most of the work done on Objective-C and cocos2d-iphone framework.
- Worked on iOS Application development as well.
- Games were turn based multiplayer, single player and included third party integration with Twitter, Facebook, Ad mob, Google Ads, etc.
- Worked closely with graphics team.

Folio3 Pvt. Ltd. Pakistan

Software Engineer

Oct 2009 – January 2012

- Technologies used: XCode, C/C++, Swift, Objective C, JavaScript, Node JS, Cocos2D, Cocos2DX, Java, JNI, Eclipse, Unity 3D, C#, Mono, Flash, AS3, VB, PHP, Flex.
- Worked as a game developer on Flash, iOS, Android. As a web developer on WordPress using PHP. And a front-end developer using JavaScript.

BUCC Ltd. USA

Software Engineer

Jun 2003 – Sep 2009

- Worked on integration of BUCC's systems with HRM
- Developed numerous tools to facilitate the operations.
- Technologies used: VB6, ASP.Net, Javascript, Flash, AS3.