**MR. DAEHONG KIM**

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Profile

* 15+ years of .net experience. Senior Software Engineer with strong developing experience for major public and private companies.
* Focused on house tools development in the company using C# .Net framework 4.5+ and ASP.Net to develop automated tools for QA teams.
* Experience C#, Java, C++, AngularJS, REACT, MySQL, SQL, XML, JavaScript, HTML and CSS.
* Create automated test scripts using Rational Functional Tester, a Java based automated tool and SilkTest for regression and performance testing of web applications in cross-browser environment.
* Developed Content Management Tool for Content Management Group for the DB activity.
* Create and modify test cases and develop unit test cases based on the business requirements.
* Ability to find critical issues of the software and guide the business team to reach a higher level of achievements with lower costs.
* Solid and proven analytical problem-solving skills, which sometimes involved research, gathering information, and reporting skills.
* Object Oriented Programming concepts regarding Design and Analysis.
* Working remotely with team members on site as well as offshore people.
* Developing microservice environment (3 years) through cloud and CQRS, Domain Driven Design pattern
* Following Agile and Scrum SDLC for the developing routine over 5 years
* Using Git over 3 years to maintain codebase
* Following S.O.L.I.D principles to develop robust and maintainable lines of code

PROFESSIONAL EXPERIENCE

**TechBlocks Oct 2023 – , Toronto, ON, CA**

**HSPP Project**

**Project Role: .Net Lead Desktop Frontend & Backend Developer (With WinUI 3)**

* Developing WinUI Frontend developing
* DevExpress UI control handling through legacy VB.Net based Winform application
* ASP.NET .Net Core Web API developing used in WinUI 3 new Frontend framework with .net 8
* Migration of the WinForm VB.Net application to WinUI C#.Net with Microservices
* Utilizing Redis Cache for the WinUI migration project from the legacy WinForms application

**Crown Castle Feb 2022 – Mar 2023, Houston, TX, US**

**CRM Project**

**Project Role: .Net Lead API Backend Developer (With CRM)**

* Developing CRM backend with Telerik UI
* ASP.NET MVC Web API developing used in CRM providing validated result through endpoint using .net core 3.1 and .net 6 with LINQ for DB
* Developed API consumed through Informatica application
* Performed unit testing using XUnit, NUnit, and built-in V.S unit testing framework
* Source code controlling has been implemented through Azure DevOps with GitHub for every deployment processing
* Involved in AzureDevOps CI/CD pipeline developing including from DEV to QA environment through GitHup and AzureDevOps ADO
* Enhanced a module for Bulk Data transaction to be consumed by the CRM Application
* Modified WCF binding logic and creating end point for Http, Https compatible address
* Authentication with OAuth using JWT for Security
* OAuth2 implementation and POC

**Solar Turbines Jul 2021 – Dec 2021, San Diego, CA, US**

**Supplier Gateway Project**

**Project: .Net leader Backend (Full Stack) Developer (Supplier Gateway)**

* Performed developing .net core backend API for the file management application
* Involved bug tracking and feature developing for the frontend framework UI built with Angular 12+ and a large part of Typescript modification to develop SPA and dynamic DOM modification
* Azure function utilization involved with migration from on-premises to cloud
* Completed Phase 1 in Dev, Test, and QA environment testing with Postman
* Involving AWS S3 bucket deployment for the web application

**C4I TRAINING & TECHNOLOGY INC. Sept 2021, Calgary, AB, CA**

**Video Training Project**

**Project: .Net Developer (Qatar Armed Forces Training Program)**

* Joined and performed bug tracking the training video app built with .net **Blazor** frontend framework with Syncfusion embedded module
* Enhancing .net core backend API with a repository pattern functionality and LINQ control
* TFS source control implementation

**COX Automotive May 2021 – June 2021, Toronto, ON, CA**

**Blackbox Team – BMW Grounding Processing**

**Project: .Net Developer (BMW Grounding API developing)**

* Developing features for BMW Grounding processing which requires various API creation and extracting data from files based on AWS environment and DB to provide inspection result to the front-end environment using .net core 3.0
* Fixing existing bugs and updating DB which was created for the code first approach with migration
* Azure end point naming change for the app service
* Dealing with React front end modification
* TFS source control implementation
* MVC based framework development

**HCA – Parallon June 2019 – May 2020, Nashville, TN, US**

**Payment Compliance Solution – PATH (Payer Analysis Trend Hub) Project**

**Project phase 1: .Net leader Developer (.net core API developer)**

* Developing APIs Getting Issue Detail from DB using recent .net core technology
* The APIs developed are built in in-house application and used by business end user
* Worked on Openshift based logging tool and involved in CI/CD process using Git and TFS
* Used .net core micro-service pattern (CQRS) through the app development over the year
* Involved in Docker container creation and Openshift deployment
* Azure app service research and compared result submission with AWS
* Azure API/APIM research and POC implementation
* Azure AD implementation and research
* Developed Couchbase NoSQL DB related tasks
* Authentication and Authorization implementation as Company Security
* Working on AWS transition from Openshift
* Handled incident ticket for API product issue following 'incident management’ rule in the company

**Project phase 2: .Net leader Developer (.net core application frontend/backend developer)**

* Developing controls for the new PATH application using .net core control
* Developed SPA through MS Razor engine
* Developed logics for the automated fields controls using JavaScript and jQuery
* Extract and map values from the PATH DB to controls through .net core backend environment and Ajax from UI
* Developed app APIs was consumed by Java application through a micro-service architecture
* Managed requests for changing functionalities following ‘changing management’ rule in the company
* Azure Service bus research and POC
* Azure Key Vaults POC

**HCA – Parallon September 2018 – June 2019, Nashville, TN, US**

**Business Process Automation – Appeal Assistant**

**Project 1: .Net leader Developer (Medical Records .net API developer)**

* Developing enhanced features extracting Medical Records for the patient accounts on the existing M.R API based on health care environment
* Resolving M.R generating issues detected through the QA testing and the real Product health care environment
* MVC framework based API development and AzureDevOps implementation
* DB CRUD with LINQ
* Creating Test Driven Environment using MS Unit Test

**Project 2: .Net leader Developer (Appeal letter .net API developer)**

* Developing new API for the new application, Document Management Tool, creating ‘Saving’, ‘Preview’, and ‘Copying’ on the template files for the appeal assistant group
* Resolving issues regarding API detected in the real Product appeal environment using log files and RabbitMQ
* Data Security with OAuth and JWT for Authentication and Authorization
* Dev, QA, and OPS server control for the configuration issues
* TFS based source control implementation
* Used RabbitMQ as a Microservice and maintained for the productions issue

**F.I.S Global – Information Technology and Services January 2018 – May 2018**

**Business eBanking – Ops Development, Ann Arbor, MI, US**

**Project 1: Programmer Analyst Senior leader (IBM MQ Tester client side)**

* Developed configuration codes for IBM MQ Tester, client side, to test certificate for the bank users using C#.net
* Production support through .net in-house tool to consolidate data migration
* Modify codes through TFS version controlling tool

**Project 2: Programmer Analyst Senior leader (Synthetic tool automation)**

* Enhancing Host Ping Console application developed with WCF framework, in-house tool, for testing end to end wire transferring using C#.net console application
* Developed IBM MQ Queue Access console application using existing in-house windows services API with WCF which was built through .net 4.7

**IGT (International Game Technology) September 2010 – Aug 2017**

**Project 1: Sr. .Net Developer leader (backend/frontend-web applications), Ottawa, ON, Canada**

**Tools & Automation Group**

* Created automated scripts for central system GUI to implement ‘Smoke Test’ cases using automation tool ‘TestComplete’
* Web Application development and maintenance for process group using ASP.NET MVC framework, JavaScript, AJAX, AND JSON
* Developed RESTful WEB API using Visual Studio ASP.NET WEB for the backend connection to SQL Server to be used for the frontend web app, Global View Utility tool through AngularJS, CSS, Bootstrap, and jQuery
* Converted C#.NET desktop application (GameDevInfo, Performance monitoring tool) connected to SQL Server to Web based application through JavaScript, jQuery, jQueryUI via RESTful API
* Transformed AngularJS1 based web app to Angular2
* SQL Server oriented DB application developing as a leader and maintenance for Content Management Group, and DB application for HR and transitioning V.S 2005 C#.NET application (SCReportcardEntry) to V.S 2010 using C#.NET LINQ and SQL based DB Management Studio
* Application maintenance and enhancing functionality for the SQL Server based application (SCReportcardEntry) through WPF desktop application
* Bug tracking role through JIRA application and resolving issues posted by customers
* JIRA administration’s role to add and modify projects related works
* Maintained reports through SSRS/SSIS to report test results to admin level
* Azure deployment research and use cases POC implementation
* Azure Key Vaults POC

IGT (International Game Technology) September 2010 – May 2011

**Project 2: Module developing, SQL Server based Application Developing**

**Sr. Software Automated Developer leader, Sr. Software Q.A Analyst leader, Ottawa, ON, Canada**

**Tools & Process, Automation Group**

* Developed File Uploading(G2S) tool extracting core functionality from the central control software INTELLIGEN to implement multi uploading with C#.net
* Developed and implemented Screen Field Access Permission tool for the INTELLIGEN central system reducing Q.A’s testing time from 2 weeks to 4 hours using C#.net
* Developed a customized string parsing algorithm for XML format using C++
* Client and server side gSOAP developing using C++
* Developed XML parsing logic using C# .net to be used in C++ unit
* Developed G2S protocol XML parsing logic from XML to string and vice versa
* Developed C++ DLL to be imported in C#.net application to enhance execution time
* Developed Client-Server based QA Wizard Pro automated scripts for central system, equivalent to QTP
* Tested WPF based QA testing and reporting tool through manually and white box testing

**Metafore Ottawa May 2008 – May 2010**

**Personal laptop migration, PC migration Administration, Ottawa, ON, Canada**

**IT Coordinator, Specialist**

* Installed new software and migration from old to new machine through managed infrastructure
* Provided structured way to migrate software and data to a new machine
* Updated new security bundle for the machines

**RCMP-GRC HEADQUARTERS October 2007 – April 2008**

**Application Virtualization, Web and Network Infrastructure Administration, Ottawa, ON, Canada**

**Workstation Specialist, Software Analyst**

* Installed and updated new security bundles including VPN and Security Token based on Novell Zenworks, the middleware, and GroupWise, the mailing system, for all Enterprise computing service members
* Controlled Web Infrastructure to guide web address using Java Script

**McAfee Canada January 2007 – April 2007**

**Personal Firewall Testing using Perl, VBScript, Toronto, ON, Canada**

**Software Q.A. Engineer Intern**

* Developed test harness for the black box testing to perform the testing
* Tested the automated script files written in Perl for the system port testing of the Personal Firewall
* Submitted the report that compared two test automation scripting languages which are Perl and VBScript

Scotiabank 2005 - 2006

Automation of Web Application using Rational Unified Process (RUP) and SilkTest,

Waterloo, ON, Canada

JR Application Programmer

* Created script files for Scotiaworx decision engine regression package using IBM’s RUP Functional Tester automated tool based on Java IDE Eclipse
* Created new automated script files to test Scotiaworx regression package using SilkTest software
* Analyzed and compared two automated testing tools which are SilkTest and Functional Tester using Scotiaworx regression package

Ontario Ministry of Health & Long-Term Care 2005 - 2005

Detection of Java classes causing popup windows, Toronto, ON, Canada

JR Application Programmer

* Identified and analyzed UML diagram to diagnose java-based application
* Created and performed Objected Oriented Design and Analysis (OOD & OOA) to classify and diagnose java classes
* Identified and modified Java based program (Java2 SDK, J2EE, JFC Swing) to enhance the functionality of the application
* Classified Java classes which caused popup windows when executed using Eclipse IDE Tool

**TECHNICAL SUMMARY**

Methods - Unified Software Development Process, UML, Structured Software Testing, Visual Studio, Management Studio, Docker, Openshift, AWS

Languages and framework - C#.NET framework 4.5+, ASP.NET MVC, .NET Core, core Java

**RDBMS -** IBM DB2, MS SQL Server, SQLite, MySQL, MS Access

**Frontend Framework Techniques -** XML, HTML, PHP, JavaScript, Angular 12+, jQuery

**Web Servers -** IIS, Apache

**Used Commercial Software -** McAfee Personal Firewall, Cognos Impromptu, Visual Studio, WebStorm

Automation Tools / Development - IBM RUP (Rational Unified Process), RUP Functional Tester, SilkTest, TestComplete, Java IDE / Eclipse, IntelliJ, MS Visual Studio 2005, 2008, 2010, 2013, 2017, 2019 for C# and Asp.net

Techniques - Object Oriented Analysis and Design, Structured Analysis and Design, Object Oriented Programming (OOP), Data Analysis, Data Structure, Quality Assurance, Black-box testing, White-box testing

**Virtualization Software -** VMware for desktop and applications, Citrix Application Virtualization

**Modern development and version controlling tools –** JIRA, GIT, TFS, Perforce

PROFESSIONAL DEVELOPMENT

* Object Oriented Analysis / Design
* C#.net, ASP.NET, ASP.NET MVC, ASP.NET WEB API, C++, Java, PHP, JavaScript, HTML, XML
* SQL Server developing with C#.net using LINQ, ADO.NET, and Entity Framework
* RDBMS Query Language (SQL, MySQL, IBM DB2, MS Access)
* Developing Automated Testing Files, Quality Assurance, Black-box testing, White-box testing
* Web Servers (IIS, Apache)
* Workstation Specialist (Second Level problem solving and supporting techniques)

EDUCATION

* POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS

IT INFOTECH, HYDERABAD, 2016

* Undergraduate in Computer Science, Finished ¾ years courses including co-op terms for 2 years, University of Waterloo, Waterloo, ON, Canada, 2007
* Bachelor of Science in Industrial Engineering

Sung Kyun Kwan University, Seoul, South Korea, 1988

**AWARD**

BUILDING EXCELLENCE Silver Award, April 2013, SPIELO International Canada ULC

**CERTIFICATIONS**

* Sept 2021, completed online course for ‘**Modern Web Development with Blazor and .NET Core5**’ from the Udemy
* Aug 2021, completed online course for ‘**The Modern Angular Bootcamp**’ from the Udemy
* Jul 2020, completed online course for ‘**Build Microservices with .NET Core 3.x & Amazon Web Services**’ from the Udemy
* June 2020, completed online course for ‘**Angular - The Complete Guide (2020 Edition)**’ from the Udemy
* May 2020, completed online course for ‘**Angular Essentials (Angular 2+ with Typescript)**’ from the Udemy
* Dec 2011, Passed the IKM (International Knowledge Measurement) Assessment Testing for C++ Programming with 99 score and 97% percentile
* Mar 2008, Certification for ‘Introduction to SQL’, online course from the University of Waterloo, Waterloo
* Feb 2008, Certification for 'Introduction to PHP and MySQL', online course from the University of Waterloo, Waterloo
* May 2007, Certification for 'Introduction to C++ Programming', online course from the University of Waterloo, Waterloo
* Mar 2007, Certification for 'Introduction to Perl Programming', online course from the University of Waterloo, Waterloo