SYED MD MARUF HASAN

SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

To seek and maintain full-time position that offers professional challenges utilizing interpersonal skills, excellent time management and problem-solving skills.

WORK EXPERIENCE

01/2020 - 06/2020
Lecturer, Computer Science
Southern University Bangladesh, **Chittagong**, **Bangladesh**

• Taught undergraduate and graduate courses in Physics (Bachelor) and Advanced Software Engineering (Masters).
• Developed course materials, including syllabi, lesson plans, assignments, and assessments, in accordance with departmental and university standards.
• Conducted classroom lectures and facilitated student discussions and activities, utilizing various teaching methodologies to enhance student engagement and understanding.
• Evaluated student performance and provided feedback on assignments and assessments, including administering exams and grading papers.
• Provided academic advising and mentoring to students, including guidance on course selection, degree requirements, and career paths.
• Engaged in professional development activities, including attending conferences, workshops, and seminars, to stay current with advancements in the field and improve teaching skills.
• Participated in departmental and university committees and meetings to contribute to the development of academic programs and policies.
• Maintained accurate records of student grades, attendance, and other academic data, and submitted them in timely manner to departmental and university officials.

05/2018 - 01/2019
SharePoint Developer
Zen Computer System SDN BHD, **Malaysia**

• **SharePoint Web Part Development with C#.NET:** Worked on developing custom web parts using C#.NET and Visual Studio. This would involve creating custom functionality for SharePoint sites and pages, such as custom navigation, content, and other features.

• **SharePoint Site Migration:** As part of my work, I involved in migrating SharePoint sites from one environment to another using ShareGate. ShareGate is a tool used to migrate SharePoint content, structure, and permissions between different SharePoint environments.

• **Creating SharePoint Site Collection Permission Level with C#.NET:** Involved in creating custom permission levels for SharePoint sites using C#.NET. This would involve setting up custom permissions for users and groups to access different parts of SharePoint site.

• **SharePoint Backup Extraction:** Involved in extracting backups of SharePoint sites and content using SharePoint's built-in backup and restore features. That involved ensuring backups were taken regularly which also ensures data integrity and availability.

• **Web API (C#.NET):** Involved in creating custom Web APIs using C#.NET. This would

involve developing RESTful APIs that can be used to integrate SharePoint with other applications and services.

- **SharePoint Health Check & Documentation:** As part of my work, I was involved in performing health checks on SharePoint sites to ensure that they were running smoothly and were up to date. I was also responsible for documenting user manuals and technical requirements.

01/2015 - 04/2018
Software Engineer
Freelance
I worked on publishing web app project in Southeast Asia (Singapore) and West US data center. My responsibilities included creating app services on Azure, deploying web apps from VS Studio (PaaS), creating traffic managers, implementing Azure SQL databases, and scaling app services and data tiers. Additionally, I was responsible for investigating and analyzing application performance issues by planning, collecting, and interpreting diagnostics and instrumentation data. Also conducted performance analysis on Azure and performed cloud performance testing on-premises using Visual Studio.

09/2016 - 12/2016
Application Developer (Intern)
Sunway Construction SDN BHD, **Cyberjaya**, **Malaysia**
As application developer my primary responsibility was to implement additional requirements for clients to eDCR and eDMR digital construction reporting and digital manpower reporting applications. I also tested HSIM application for deployment, documented HSIM desktop application for end-users, and developed cloud applications using Amazon Web Services. Additionally, I designed databases using SQL Server Management Studio, implemented stored procedures, and created data tables using Visual Studio 2015. I also designed object-oriented software using UML use case and activity diagrams and documented eDMR mobile application. Throughout tenure, I used SCRUM (Agile methodology) to manage development projects, ensuring efficient communication and collaboration between team members. By leveraging technical skills and expertise, I was able to successfully deliver high-quality software applications to meet the needs of our clients.

PROJECT

- **Secured Online Assignment Submission & Feedback System** This project involved developing a secured online assignment submission and feedback system for Asia Pacific University Malaysia. The system was built using ASP.NET C# and utilized Microsoft Azure SQL Database as the app and web service, along with DEVEXPRESS ASP.NET Controllers for a user-friendly interface. The database was highly encrypted using a cryptographic algorithm to ensure the security of sensitive data.

- **Ukraine International Airlines System** Developed An Online Flight Booking System For Ukraine International Airlines Using Azure App Service & Azure SQL Database. The Web Has Been Published On South East Asia & West US Region Using Azure Traffic Manager For Controlling User Traffic Over The Region. The Performance Testing Has Been Conducted Under Azure Cloud Performance Testing.

- **Inspect-Ricals System** The Inspect-Ricals System is a desktop application developed using JAVA GUI with phpMySQL. This software is designed for inspection and installation of electrical supplies provided by vendors to accommodations

- **Online Bus Ticketing System** The Online Bus Ticketing System is a web-based application designed to simplify the process of purchasing bus tickets online. The system was developed using UML diagrams to ensure that all requirements were properly captured and the system was built according to the intended design.

- **E-Library Management System** The E-Library Management System was developed using ASP.NET C# and Bootstrap, FontAwesome & Material Components for the user interface. The use of these technologies resulted in a modern and user-friendly interface that is easy to navigate. MSSQL Server Management Studio was used for the database management, ensuring that the system is robust and reliable.

RESEARCH & PUBLICATION

- **Proposed Literature Review On Asia Pacific University Assignment Submission & Feedback System For Future Development**
  June 2018
  International Journal Of Engineering & Technology
  Website : https://www.sciencepubco.com/index.php/ijet/article/view/14815

- **Development Of Real-Time System In Object Oriented Programming With Java And UML Designs For Inspect-Rical Electrical Contract Company**
  April 2017
  International Journal Of Advance Research In Science & Engineering - ISSN(O) : 2319-8345 ISSN(P) : 2319-8346 ISBN : 978-93-86171-19-1 Website : www.ijarse.com

- **New Implementation Of Bus Ticketing System In Java With Extreme Programming Methodology Using Unified Modelling Language**
  April 2017
  7th International Conference On Recent Trends In Engineering, Science & Management - ISSN(O) : 2319-8354 ISSN(P) : 2319-8346 ISBN : 978-93-86171-12-2 Website : www.ijarse.com

CONFERENCE & WORKSHOP

- **Professional Speaker (Web App Security), UKM, Kuala Lumpur**
  May 2017
  Malaysia Open Source Developer Club (MOSCMY)

- **Participant (Microsoft Malaysia), Kuala Lumpur**
  January 2017
  Microsoft Azure IoT Hub Hands On Training

- **Participant (Project Management Workshop), Kuala Lumpur**
  September 2016
  Project Management Workshop By Mr. Nehru Nagappan (Project Management Professional).
  Learned Project Scheduling Following Step By Steps Procedures

- **Participant (Asia School Of Business In Collaboration With MIT Sloan), Kuala Lumpur**
  May 2016
  Asia School Of Business 48 Hours Maker fest

- **NICTA (National ICT Australia Ltd), Sydney**
  April 2014
  Working IEEE/IFIP Conference On Software Architecture [WICSA 2014]

EDUCATION

11/2015 - 05/2018
Bachelor of Science, **Software Engineering**, *Asia Pacific University Malaysia*, Kuala Lumpur
Dual Degree Program With Staffordshire University, UK
First Class (Hons)

01/2013 - 03/2015
Diploma, **ICT (Software Engineering)**, *Asia Pacific University Malaysia*, Kuala Lumpur

SKILLS

SHAREPOINT (Online & On-Premises)

ASP.NET

C#

HTML5

CSS3

SQL SERVER (T-SQL, STORED PROCEDURE, VIEWS, HASHING)

AGILE (SCRUM & XP)

SOFTWARE DOCUMENTATION

AZURE (APP SERVICE, SQL, TAFFIC MANAGER, PERFORMANCE TESTING, SCALING))

SDLC

UML

SHAREGATE

POWER PLATFORM (POWER AUTOMATE)