**TOHFATUL ISLAM**

*Microsoft*  
Certified  
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Azure Developer Associate

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**FULL STACK DEVELOPER (.NET /Core & ANGULAR)**

Efficient Full Stack Developer with more than 15 years of professional IT experience including latest 10 years of experience leading development of complex projects to strengthen software solutions for clients. Proven experience in software engineering through all phases of software development life cycle. Highly skilled in using .Net and **.Net Core** technologies with having strong background in multiple programming languages, frameworks, platforms, libraries and databases such as C#, ASP.NET, Entity Framework, MVC, JavaScript, Node, Angular, AngularJS, ReactJS, Javascript, Bootstrap, HTML, CSS, RESTful API, JWT, Microservices, Oracle, SQL Server, MySQL, MongoDB, Java, Azure, AWS, CI/CD and SOA.

Software Development Life Cycle • Frontend / Backend • Design Patterns

Requirement Analysis / Design • Integration • Maintenance

**Languages:** C#, Java, PHP, Kotlin, VB

**Web:** Angular 12+, ReactJS, AngularJS, NodeJS, ExpressJS, JavaScript, jQuery, Bootstrap, HTML, CSS  
**Web Services:** RESTful, SOA, JWT, Microservices **Web and Application Servers**: IIS, Tomcat, Apache **Frameworks:** .NET (MVC), **.Net Core, .Net 6,** Angular, Node  
**Databases:** Oracle, MS SQL, MySQL, Azure SQL, Aurora RDS, MongoDB, CosmosDB, DynamoDB  
**Design Patterns:** Singleton, Prototype, Observer, Adapter, Factory, Abstract Factory, Template, Iterator **SDLC:** Agile / Scrum, Iterative, Waterfall **Tools:** Docker, Kubernetes, Eureka, SQL Comparer, Crystal Reports, xUnit, FakeItEasy.

**IDE:** Visual Studio,VS Code, IntelliJ IDEA, Android Studio

**Platforms:** Windows, Linux, MAC OS   
**Big Data/ NoSQL:** MongoDB, Firebase Firestore

**Azure Cloud:** CI/CD Integration, Storage Que, Service Bus Topics & Que, Functions, App Services, VM, Event Grid, Event Hub, Identity Platform, Cosmos DB, Container Registry, Container Instance, Blob Storage, API Management.

**AWS**: EC2, S3, Lamda, Load Balancer, ASG, API Gateway, SNS, SQS, IAM, Cognito, Aurora RDS, DynamoDB.

**Version Control:** Git, TFS.

**PROFESSIONAL EXPERIENCE**

***CAREER NOTE:*** *Completed on-campus studies and currently taking distance education courses to complete a* ***Master's Degree in Computer Science*** *(Available for full-time, W-2 employment).*

**LHS PRODUCTIONS, INC., dba VIDEO BANK, New Jersey, USA • Sep 12, 2022- Jan 25, 2023**

Provides Video, signal, imagery content management services.

**Software Developer**

Made major contribution to introduce MongoDB and also contributed to enhance new features, fix exiting software problems.

* Led introducing MongoDB to existing software system.
* Performed front-end coding and back-end API development, resolving all technical and functional issues.
* Conducted troubleshooting, debugging, and upgrading of existing software.
* Optimized rendering digital assets on Esri ArcGIS mapping software integrated within C#.Net application.

***Technologies Used:*** *ASP.NET, C#, WPF, WCF (SOAP), AngularJS, JavaScript, Bootstrap, HTML, CSS, SQL Server, MongoDB, TFS.*

**BISWAS SOFTWARE TECHNOLOGY LIMITED, Dhaka, Bangladesh • Jan 2011- Jul 2021**

Software development company providing various software services.

**Sr. Software Engineer**

Spearheaded project planning, analysis of custom requirements, and development of software solutions.

* Led development and maintenance of Hospital Management Software System implemented at 7 hospitals and 20 healthcare centers.
* Created and maintained Fees Collection Management software and Payroll Software for Manarat Dhaka International School and College, Intelligent Tolling system for 3 toll plazas of Bangladesh Roads and Highways-Sylhet Division, and Web Portal of New England Bangladeshi American Foundation Inc.
* Streamlined integration of RFID tag readers, boom barrier, vehicle presence detector, and other tolling equipment with Tolling System.

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* Ensured successful integration of pathology laboratory auto analyzer machines with Lab Information System of Hospital Management Software.
* Oversaw team of 7 developers.

***Technologies Used:*** *ASP.NET Core MVC, MVC, Entity Framework, C#, VB.Net, PHP, Java, Android, RESTful API, Angular, AngularJS, ReactJS, JavaScript, JQuery, JQueryUI, JWT, Bootstrap, HTML, CSS, Oracle, SQL Server, MySQL, PL/SQL, Firebase, Azure, CI/CD, Git.*

**BANGLADESH INTERNET PRESS LIMITED (BIPL), Dhaka, Bangladesh • Jan 2010 – Dec 2010**

Software development company.

**Domain Consultant (Hospital Domain)**

Contributed to requirements analysis and architecture design of hospital ERP system.

* Led development team in creating user-friendly hospital management software system.
* Built user interface prototypes and established feature requirements.
* Created and implemented user workflows and use cases.
* Used UML in preparing case and activity diagrams.

***Technologies Used:*** *Star UML, MS Visio, MS Project, MS PowerPoint.*

**SPEIIL MACROSOFT LIMITED, Dhaka, Bangladesh • Apr 2005- Dec 2009**

Leading software development company.

**Senior Software Developer**

Led design and implementation of Bangladesh National Heart Foundation’s Cardiac Imaging and Hospital ERP system.

* Streamlined development and integration of ERP software.
* Configured Oracle Database Server and Application Server.
* Created presentations for various projects.

***Technologies Used:*** *VB 6.0, Oracle, SAP Crystal Reports, HTML Reports, PL/SQL.*

**ACADEMIC PROJECTS**

**Quiz App, MIU (2023):** Developed android app that creates random quiz questions to play quiz game and score analysis. ***Technologies Used:*** *Kotlin, RoomDB.*

**CV Builder App, MIU (2022):** Developed android app to build professional CV using mobile device. ***Technologies Used:*** *Kotlin, RoomDB.*

**Car Reservation System, MIU (2022):** Developed scalable web based Microservice project for rental cars browsing and checkout. ***Technologies Used:*** *Java, Spring Boot, Spring Security, React.js, HTML, CSS, Bootstratp4, MongoDB Atlas, CI / CD with Google Cloud Docker, Kubernetes, Eureka, Elastic Search, Kafka Message Que.*

**Property Management System, MIU (2021):** Collaborated with team to design web-based Java project for owners and customers to efficiently exchange information. ***Technologies Used:*** *Java, Spring Boot, React.js, PostgreSQL, Boostrap4, HTML5, CSS***.**

**Musical Website, MIU (2021):** Designed web-based musical website for visitors to search music, add favorites, and play music sequentially or shuffled. ***Technologies Used:*** *Node.js, Expres.js, JavaScript, Bootstrap4, HTML, CSS.*

**PROFESSIONAL CERTIFICATION**

**Microsoft Certified: Azure Developer Associate (Aug 6, 2023 - Aug 6, 2024)**  
(Skills measures: Develop azure compute solutions, Develop for azure storage, Implement Azure Security, Monitor, Troubleshoot, and Optimize azure solutions, Connect to and consume Azure services and third-party services.)

**Microsoft Certified: DevOps Engineer Expert (Currently Pursuing)**

**EDUCATION**

**Master of Science in Computer Science**

*(In progress via distance education; expected completion June 2024)*

Maharishi International University, Fairfield, Iowa, USA.

*Key Courses: Fundamental Programming Practice, Software Engineering, Software Architecture*

*Modern Programming Practices, Web Application Programming, Web Application Architecture, Algorithm, Mobile Device Programming, Modern Web Application, Enterprise Architecture.*

**Bachelor of Science in Computer Science and Engineering (June 2007- Jan 2011)**

United International University, Dhaka, Bangladesh.

**International Advanced Diploma in Computer Studies (March 2002 – July 2004)**  
NCC Education, UK.