Rafsanul Hasan

T-Shaped Software Engineer

in /in/rafsanulhasan

EXPERTISE

0   10

.NET Stack

Web Development

Mobile Development

Architecture & Design

Process Management

EDUCATION

American International University Bangladesh

Bachelor of Science in Computer Information System (BScCIS)

Dropout with 2 courses left

CERTIFICATIONS

- Microsoft Certified Solutions Developer (MCSD) https://learn.microsoft.com/en-us/users/rafsanulhasanrafsan/transcript/71e5xhlmjxq9jr5
- Advanced Certified Scrum Developer (A-CSD) https://www.scrumalliance.org/community/profile/rhasan8

Language Proficiency

- Bangla: Native Language
- English: (IELTS - 5.5, Avg 5.5)

REFERENCES

Available on Request

Moonlight, Flat 1A, Plot 333, Road 3, Block F, Bashundhara R/A, Dhaka-1229, Bangladesh

+880 1772 555 990   rafsanulhasan@outlook.com

PROFILE

As a T-Shaped .NET Developer, I want to build-up a career where there is scope to prove one's as well as team's ability, power, performance and efforts sincerely, effectively & efficiently, improve own skill and to learn and grow by showing one's own performance sincerely as well as accelerating team performance collaboratively as a team player and contribute to the overall profit of the organization maintaining business agility. Now, I am aiming to be a highly skilled cloud architect through learning and working with multitude of technologies.

CAREER

Senior Software Engineer   10/2021 – Present
StreamsTech Limited
Working as a team player in a fairly big cross-functional agile teams across the globe. Major responsibilities include Team Collaboration, Join Scrum Events and Reporting, Requirement Analysis.

- Full-stack Feature Development, Bug Fixes & Performance Improvement
- Automated Build, Test and static code analysis Process
- Improved Code Coverage
- Improved Both User Experience (UX) and Dev Experience (DX)
- Took part in improving architecture
- Refactoring

GitHub Open-Source Developer   01/2016 – Present
Symbiosis ICT Solutions

Has been contributing to OSS development on GitHub. Outsourcing small/medium scale projects with Cloud Native Architectures.

https://www.github.com/rafsanulhasan, https://www.github.com/sicsbd

https://github.com/PasheProject/pasheproject.github.io

Software Engineer Consultant (Senior Level)   04/2021 – 09/2021
Aeonic Technologies (Part-time)

Full-stack app/library development, Configuring CI/CD for Build, Test, Static Code Analysis and Deployment, Applying Agile Methodologies in whole Application lifecycle, Designing DB.

Team Lead (Hourly job)   05/2020 – 02/2021
Sun Code Factory LLC
Assisting in architecting and designing a sample application to demonstrate TheSharpFactory to manipulate data from SQL Server.

- Design and Architecture, applying programming/design principals.
- Managing the development process

Coding, identifying, and fixing code smells, establishing best practices.
https://www.github.com/thesharpfactory/samples

Software Engineer   05/2019 – 02/2020
Dev Skill

Architecting, Designing, and building different libraries and containerized apps, automating build, test, and deployment process. Had been contributing to OSS development on GitHub.

Independent Software Vendor (ISV)   01/2012 – 12/2016
Building, deploying, and maintaining solutions by analysing customer requirements.

Rafsanul Hasan

T-Shaped Software Engineer

in / rafsanulhasan

Moonlight, Flat 1A, Plot 333, Road 3, Block F, Bashundhara R/A, Dhaka-1229, Bangladesh

+880 1772 555 990   rafsanulhasan@outlook.com

Trainings

Software Engineering
- **Certified Kubernetes Developer (CKD)**
  Udemy
  Current
- **Agile Certified Practitioner**
  PMaspire Bangladesh
  2023
- **Dev Ops**
  Page Cloud Academy
  2020
- **Advanced Certified Scrum Developer**
  Tech Masters
  2020
- **Certified Scrum Master**
  Tech Masters
  2019
- **Web App Development using ASP.NET MVC Core**
  Dev Skill
  2019
- **Web App Development using ASP.NET MVC**
  AIUB CEC
  2012
- **Misc**
  LinkedIn Learning & Udemy

Networking & Security
- **Cisco Certified Network Professional**
  AIUB CEC
  2012
- **Certified Ethical Hacking**
  AIUB CEC
  2016

Cloud Technologies
- **Azure**
  Microsoft Learn and MCP learning paths
- **AWS**

Skills

(For detailed skill set please visit my GitHub profile at /rafsanulhasan)

Software Design, Architecture & Requirement Analysis

1. **Architectural Styles & Patterns**
   <u>Styles</u>: *Microservices*, N-Tiered Layered Architecture, Onion Architecture, *Distrubuted Architecture*, **SOA**: REST, GraphQL & gRPC, *Serverless/Cloud Native Architecture*, *Event Driven Architecture (EDA)*, Hexagonal Architecture, *Clean Architecture*
   <u>Patterns</u>**:** MVC, MVVM, MVU, *Redux*, *CQRS*, *Pub-Sub*, *Inbox/Outbox*, *Saga*, *Distributed Transaction*

2. **Design Principles & Patterns**
   <u>Patterns</u>: (Abstract) *Factory*, *Builder*, Singleton, *Adapter*, *Proxy*, *Decorator*, *Façade*, Private Class Data, Command, *Mediator*, Null Object, *Observer*, *Strategy*, *Templated Method*, State
   <u>Object Oriented Analysis & Design, Priciples and Practices</u>: *SOLID*, *DRY, YAGNI, DDD*, *Design Principles, TDD, ATDD, BDD*

3. **UML Diagramming & Documentation**
   Use Case Diagrams, *Class Diagrams*, *ER Diagrams*, Activity Diagrams, Sequence Diagrams, *Workflow Diagrams*, *Data Flow Diagrams*, *Layer Diagrams*, *High Level Architecture Diagrams*

4. **Persistence:** *MSSQL*, MySQL, *PostgresSQL*, *Redis*, *Cloud Storages*

5. **Messaging:** *In-memory*, *RabbitMQ*

Programming, Software Engineering, Development & ALM

1. **Programming Languages, Paradigms and Problem Solving**
   <u>Languages</u>
   Mainstream: **C#**, **JS/TS**, **HTML**, **XML**, **XAML**, AXML, **YML**, Ansible, **Batch/Bash/Shell Scripting**
   Intermediate Level: C++, **Assembly Language**
   Entry Level/Learning: C, Python, Rust
   <u>Paradigms</u>
   Asynchronous Programming, *Multithreading & Concurrency*, *Reactive Programming (Rx)*, *Functional Programming*, *OOP*, *AOP*, Procedural Proramming, *System Programming*
   <u>Problem Solving</u>
   Solved around 200 programming problems across different platforms like *Dev Skill*, *UVA*, *Hacker Rank*, *Leet Code* and have been actively solving more complex ones

2. **Sofware Development & Deployment**
   Full Stack platform agnostic app development using .NET/Node.JS with *ASP.NET*, *ASP.NET MVC*, *Blazor*, *Xamarin*, *MAUI*, *Angular*, *React* and *React Native*. Also worked with *app containerization* and *orchestration* with *docker*, *swarm*, *docker-compose* and *Kubernetes*.

3. **Software Process Managemnent, Deployment and ALM**
   <u>Waterfall Model</u>
   <u>Agile Principles & Methodologies</u>
   Scrum Framework, Rapid Application Development (RAD) Framework, Extreme Programming (XP) Framework, *Kanban*
   <u>Source Control & Change Management, DevOps & CI/CD</u>
   SCCM: *GitHub*, *GitLab*, *Azure Repos*
   Backlog Management: *GitHub Projects*, *Azure Boards*, JIRA
   CI/CD: *Azure Pipelines*, *GitHub Actions*, Teamcity, GitLab