



MD. ABUL HASAN

Senior Staff Software Engineer /
M.Sc. in Computer Science & Engineering



Career Summary

- Experienced with 13 years in TypeScript, JavaScript, Angular, React, Java, Kotlin, NodeJS, C#, .NET Technologies, Docker especially in developing and maintaining client/server, mobile app & web-based modern, large & complicated domain applications.
- Expertise in design, development, and deployment of Angular, React, Node, Net Core microservices, ASP.NET web applications, and Mobile apps.
- Expertise in design and development of Modular, MonoRepo & Microservice based enterprise applications using Javascript, Angular, TypeScript, React, Node, CSS, jQuery, C#, .Net Core, ASP .NET MVC, Entity Framework, CSS.
- Experienced in developing both structured & unstructured data-based applications using SQL & NoSQL.
- Experienced in developing highly scalable responsive applications with RESTful API.
- Experienced in TDD, DDD, Continuous Integration, and automated deployment process.
- Experienced with git workflow and involved as a part of product releasing team & partially DevOps.
- Experienced in developing modern software by following agile development principles and patterns.
- Experienced in defining front-end architecture, and taking front-end architectural decisions.
- Experienced as a full-stack developer with strong leadership & interpersonal skills.
- Excellent team player with good problem-solving skills and self-motivation.

Tools & Technology

- General: Typescript, JavaScript, Angular, Java, Kotlin, C#, ASP.NET, MVC, Web API, .NET Core, REST API, Redis, RabbitMQ, Twilio, Entity Framework, Auto Mapper, Cookie, JWT, Single Sign-On, Mail Service, RxJS, ChartJs, Redux, Service Worker, PWA, SSR, JEST, Jasmine & Karma, SignalR, React, NodeJS, Angular Material, PrimeNg.
- Cloud technologies: Microsoft Azure Services like Azure Storage (Blob, File, Table Storage), S3 Storage, Azure Application Insight, MixPanel, Google Analytics, Log Analytics, SigningHub
- Query Languages: SQL, LINQ, NoSQL (MongoDB)
- Front-end: Javascript, Angular, TypeScript, RxJS, Redux, ChartJs, React, Service Worker, PWA, JEST, Jasmine & Karma, Angular SignalR, jQuery, KnockoutJS, HTML, CSS, Bootstrap, PrimeNg, Angular Material, jQuery Data Table, AG grid.
- Databases: MSSQL Server, SQLite, SQL Compact 4.0.
- Build Automation: Jenkins, Azure DevOps services
- SOLID Design patterns and principles.

<i>Experience</i>	<i>within Cefalo</i>
<p><u>Project & Client:</u> Asta, Norwegian National Archive Norway</p> <p><u>Role:</u> Senior Staff Software Engineer</p> <p><u>Duration:</u> August 2022 – Continue</p>	<p><u>Description:</u> An archive management system for Norwegian national archives that allows hierarchical data. The system supports</p> <ul style="list-style-type: none"> • Arrangement/registration of paper archives. • Export/import - until all functions are in place, there may be a need to finish the job in Asta 5. We have built export/import functions that make it easy to move archives between Asta 5 and 7. • Extracts/electronic archives. We have built an import function for SIARD extracts. This makes it easy to import archive packages into Asta 7 for searching and looking up in the usual way. This feature requires a view template to be set up for the type of database you want to import. Asta 7 also supports importing table extracts. • Insight. We have built an access solution that can be used internally in the archive service or shared with the archive creator/audience. • Digitization. QR codes can be printed from the catalog and used when digitizing paper archives. Asta 7 integrates well with e.g. PixEdit so that the documents are placed in the right place in the catalog after visual inspection. • Dynamic permission & advanced search • It consists of multiple microservices. <p><u>Tools / Technology:</u> Angular, TypeScript, React, RxJS, Jasmine & Karma, Angular Material, Bootstrap, PrimeNg, PrimeReact, Spring Boot, Kotlin, Java 11 & 17, PostgreSQL, MongoDB, Elastic Search, ActiveMQ, Kafka</p>

<i>Experience</i>	<i>Prior to joining Cefalo</i>
<p><u>Project & Client:</u> Fintech Platform connecting IFAs and their customers. EU</p> <p><u>Role:</u> Principal Software Engineer</p> <p><u>Duration:</u> 2018 - July, 2022</p>	<p><u>Description:</u> This project is an online portal for Swiss Life Select that aims to provide all its relevant stakeholders (both customer & advisor) a one-stop solution to all their financial policy related needs. The project is built on ECAP, the proprietary aPaaS from SELISE. The backend follows a microservice-based, multitenant architecture.</p> <p><u>Tools / Technology:</u> Angular, Angular JS, Angular Material, TypeScript, RxJS, .NET Core, C#, .Net Web API, SSR, PWA, Mobile App, MongoDB, Redis, RabbitMQ, Twilio, Mail, Appinsight, Analytics, SSO, Cookie/Token, Microsoft SignalR, Microservice architecture, Agile Development, Scrum.</p>

<p><u>Project & Client:</u> ePrivateWealth EU</p> <p><u>Role:</u> Senior Software Engineer</p> <p><u>Duration:</u> Jan 2017 - Dec 2017</p>	<p><u>Description:</u> ePrivateWealth is an online portal for Swiss Life insurance that aims to provide all its relevant stakeholders (both internal & external) a one-stop solution to all their insurance policy related needs.</p> <p><u>Tools / Technology:</u> Angular JS, Angular Material, .NET Core, C#, .Net Web API, MongoDB, Dot Liquid, MongoDB, Redis, RabbitMQ, Twilio, Mail, Appinsight, Analytics, Token, Microsoft SignalR, Microservice architecture, Agile Development, Scrum.</p>
<p><u>Project & Client:</u> Ruf Informatik E-Service EU</p> <p><u>Role:</u> Software Engineer</p> <p><u>Duration:</u> Jan 2016 - Dec 2016</p>	<p><u>Description:</u> Work on E-Service like Online Reservation system, Drive app, Social media which gather different social feeds in a single page. Public statistics for showing information as a chart.</p> <p><u>Tools / Technology:</u> AngularJS, Angular Material, jQuery, Bootstrap, Kendo UI, ASP.NET MVC, EF, SQL Server, Token, Microsoft SignalR, Microservice architecture, Agile Development, Scrum.</p>
<p><u>Project & Client:</u> Supply chain ERP solution Computer Source, Bangladesh</p> <p><u>Role:</u> Developer</p> <p><u>Duration:</u> 2013 - 2015</p>	<p><u>Description:</u> It's a supply chain ERP solution, for Inventory, RMA, Sales, PMS, POS, Accounts, and other business solutions.</p> <p><u>Tools / Technology:</u> jQuery, Easy UI, C#, MVC3, SQL Server, Crystal Reporting, LINQ, Lambda expression, EF, Agile Development, Scrum.</p>
<p><u>Project & Client:</u> Customer Management System</p>	<p><u>Description:</u> It's a Full stack application where all things are done by me. It's a personal project. Here the admin can CRUD customers. Developed Node server with authentication/authorization mechanism and JWT token. Some API endpoints are accessible anonymously and others are secured. Data saved on mongo server by using mongoose for nodes. Client side developed by React with bootstrap design. This project both server and client are found on my GitHub page.</p>

Education & Certification

- M.Sc. in Computer Science & Engineering from [Jahangirnagar University](#)
- B.Sc. in Computer Science & Engineering from [Patuakhali Science and Technology University](#)
- C# .Net Certification from BASIS on 2013

Hobby / Pet project

- The Main hobby is playing Football & reading technology blog
- Customer Management System, To-Do application, React App using JavaScript, React, Node Express, MongoDB, JWT Token.
- [GitHub Link](#)