

# Zunayed Shahriar

## Senior Software Engineer

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### Skills

Languages	C# • TypeScript • JavaScript • C++ • Java
Frameworks	.NET • .NET MVC • Entity Framework • Angular
Databases	MSSQL • MySQL • MongoDB • SQLite • Redis
Unit Testing	Karma & Jasmine • Jest • xUnit
Messaging	RabbitMQ • SignalR • NServiceBus
Dev Tools	Git • Azure DevOps • BitBucket • Jira
Architecture	Microservices • N-Tier Architecture • Clean Architecture
Soft Skills	Leadership • Teamwork • Accountability • Problem-solving • Flexibility

### Work Experience

MPower	Penang, Malaysia (Remote)
Technical Lead	May 2022 – Present

- Collaborating with a team to enhance the existing Electronics Manufacturing System using Angular 15, .NET Core 6, SQL Server 2018, SignalR, NServiceBus, RabbitMQ, and Redis. Also enhanced the legacy system using AngularJS, .NET Framework 4.5, and .NET Core 3.1.
- Overseeing the development team, working closely with with other tech leads and managers to review system architecture and code quality.
- Resolved performance issues for numerous slow-performing API endpoints, reducing the average maximum response time from 700ms to 200ms.
- Improved the performance of 50% of the slow SQL Server queries and resolved snapshot isolation transaction problems across all microservices.
- Rewrote and restructured 60% of the spaghetti code to enhance code reusability and maintainability.

Relisource	Dhaka, Bangladesh (Remote)
Software Engineer	June 2021 – Apr 2022

- Collaborated with a team to enhance the existing Clinical Outcome Assessment System using Angular 9, .NET Core 3.1, SQL Server 2018, Xamarin Forms, Azure Blob Storage, Azure Table Storage, and AWS S3 Storage. Also improved the legacy system using AngularJS, .NET Framework 4.5, and Windows Forms.
- Created an Angular Library based on a JavaScript Library for scheduling Clinical Trial workflow by connecting nodes. Also fine-tuned the base library to support programmatic node creation, deletion, and cloning besides default drag and drop. The new library could be consumed in any Angular project and could render any Angular components as nodes.
- Guided and mentored a small group of novice software engineers for a brief duration and successfully developed 70% of the Angular library within the designated timeline under heavy work pressure just before my departure.
- Captured client business requirements and conducted demo sessions in the absence of the Team Lead.

Softech Limited	Dhaka, Bangladesh (Remote)
Software Developer	Feb 2020 – June 2021

- Collaborated with a team to develop B-Trac Partner Portal, a Sales Tracking System with Partner Management using Angular 8, .NET Core 3.1, Entity Framework Core Code First, and SQL Server 2018.
- Developed Red Express, a Sales Order Management System using Angular 8, .NET Core 3.1, Entity Framework Core Code First, and SQL Server 2018 alongside a teammate.
- Designed system architecture for all the projects alongside a teammate.

## Computer Ease Limited

### Programmer Analyst

Dhaka, Bangladesh

Jan 2017 – Feb 2020

- Developed Robi Retailer Registration Portal from scratch with Angular 7, .NET Core 2.1, and SQL Server 2014.
- Developed Robi Distributor Registration Portal from scratch with ASP.NET MVC 5 and a SQL Server 2014 alongside a teammate.
- Collaborated with a team to enhance the existing Robi Sales Tracking System using Silverlight 5, WCF Services, .NET Framework 4.5, and SQL Server 2014.
- Increased reporting performance by 40% by optimizing large T-SQL queries.
- Increased the performance of a crucial system process by 80% by optimizing algorithms and rewriting SQL queries.
- Collaborated in the development process of the Robi Distributor App for Android using Xamarin Forms.
- Captured client business requirements and conducted user acceptance test sessions at the client's end.
- Guided junior developers targeted .NET Framework and MS SQL Server mentorship.

## Grameen Communications

### Intern

Dhaka, Bangladesh

Feb 2016 – Dec 2016

- Collaborated with a team to develop the Nobin Udyokta Project Management System (NUPMS) using ASP.NET MVC 5, Entity Framework 6, ASP.NET Identity, SQL Server 2012, Crystal Reports, jQuery, and JavaScript.
- Developed a core module of NUPMS that auto-generates data-driven PowerPoint presentations.
- Developed gNUM, the daily data-entry app for NUPMS for Android using Java, Windows Mobile using Windows Phone (C#), and Java Mobile platforms using Java MIDP.

## Education

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### Southeast University

#### Bachelor in Computer Science and Engineering

Dhaka, Bangladesh

Jan 2012 – Dec 2016

- Represented the University in 6 National Onsite Programming Contests including ACM ICPC 2016 Asia Regional Dhaka Site.
- Became Champion in Southeast University Intra Individual Programming Contest in Fall 2015.
- Trained Beginner-level programming contestants for one year.
- Organized Southeast University Division 2 Programming Contest Championship alongside Southeast University Programming Contest Arena Members in 2016.
- Published journal on the topic of University Timetable Generator Using Tabu Search in the Journal of Computer and Communications, Vol.4 No.16, December 2017.

## Online Profiles

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<b>GitHub</b>	<a href="https://github.com/zunayeds">https://github.com/zunayeds</a>
<b>Stack Overflow</b>	<a href="https://stackoverflow.com/users/4571040/zunayed-shahriar">https://stackoverflow.com/users/4571040/zunayed-shahriar</a>
<b>UVa</b>	<a href="https://uhunt.onlinejudge.org/id/186859">https://uhunt.onlinejudge.org/id/186859</a>
<b>LeetCode</b>	<a href="https://leetcode.com/zunayeds">https://leetcode.com/zunayeds</a>
<b>HackerRank</b>	<a href="https://www.hackerrank.com/zunayeds">https://www.hackerrank.com/zunayeds</a>