Contact

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www.linkedin.com/in/nurul-islam-nobel (LinkedIn)

Top Skills

Transcoding

Adaptive Bit Sreaming

System Design

Languages

Hindi (Professional Working)

English (Professional Working)

Bangla (Native or Bilingual)

Certifications

Cypher Fundamentals

Neo4j Fundamentals

Dependency Injection in ASP.NET Core

CQRS in Practice

Honors-Awards

11th in IUBAT NCPC 2018 (Divisional Champion)

12th in BUET IUPC 2018

9th in DUET IUPC 2019

14th in Technocracy 2019, RUET IUPC

Champion in RUET Intra University Programming Contest 2017,2018

Nurul Islam Nobel

SDE-3 IQVIA | Competitive Programmer | ASP.NET | Angular | Microservices | Distributed System
Dhaka, Bangladesh

Summary

I'm Nurul Islam Nobel, a software engineer with over four years of experience in full-stack web application development. My expertise lies in designing and building scalable and efficient solutions using ASP.NET and .NET technologies. During my time at university, I participated in many national programming contests, achieving top 20 rankings in many of them.

My journey begins from my initial days in university, tackling programming challenges. I've cultivated a unique skill set, including analyzing requirements, analytic thinking, resiliency. As a competitive programmer, I've a proven record for communicate and collaborate with my team under pressure, leveraging our collective strengths to find optimal solutions.

As a software engineer, I have further broadened my analytic sense and my skillset to solve real world problems. Over the course of my career, I've tackled a lot of technical challenges, from debugging complex codebase to designing scalable systems. Each challenge has increased my understanding of software design principles. My passion for learning has evolved more to learn new technologies and methodologies, understanding how major tech companies solve problems and how can I design solutions to solve real world challenges. Additionally, I've come to understand that solving problems is only part of the equation. Equally important is writing clean, maintainable code using the best practices.

Technical Skills:

•Programming Languages: C#, Typescript, C++, Python.
•Frameworks: .NET Core, Angular.
•Database: MongoDB, PostgreSQL, Elasticsearch, MySQL, Neo4j Graph database.

•Technologies: Entity Framework, RabbitMQ, SignalR, Redis, Masstransit.
•Clouds: Docker, Kubernetes, AWS.
•Others: Object Oriented Programming, Design Patterns, Problem-solving, Algorithms, Data structures,
Debugging, Microservices, Distributed Systems, OAuth.

I'm always looking to grow my personal and professional network. Feel free to connect via LinkedIn or contact me directly at nobelnurulislam@gmail.com.

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Experience

IQVIA
SDE - 3
November 2024 - Present (7 months)
Dhaka, Bangladesh

IQVIA, formerly Quintiles and IMS Health, Inc., is an American Fortune 500 and S&P 500 multinational company serving the combined industries of health information technology and clinical research

Orbitax
5 years 1 month

Software Engineer | ASP.NET, Angular, MongoDB, Distributed System
January 2022 - October 2024 (2 years 10 months)
Dhaka, Bangladesh

• Implemented a scalable notification service using WebSocket protocol. This replaced the previous   inefficient pulling mechanism, enabling push-based updates and reducing server load by 20%.

Skills: ASP.NET, Angular, SignalR, RabbitMQ

• Developed an angular module which enable users to create PowerBI Schemas. This enabled users to tailor data analysis to their specific needs and enhance the flexibility and efficiency of reporting.

Skills: Angular, ASP.NET, MongoDB.

• Redesigned and developed a robust and efficient and distributed data retrieval service for PowerBI analytics. This service orchestrates data retrieval in our microservice architecture which reduced the latency by 80% and increased reliability by 50%.

Skills: ASP.NET, RabbitMQ, MongoDB, Microservices Pattern, Saga.

• Integrated a framework for analytic data processing and PowerBI report generation.it also provides real-time notifications upon report completion using WebSocket protocol.

Skills: ASP.NET, Azure PowerBI, SignalR, Websocket.

• Optimized database indexing of our analytic service by identifying optimal indexing strategies and eliminate redundant indexes which resulted in 20% performance and 50% reduction in index memory.

Skills: Mongodb, ASP.NET.

Associate Software Engineer | ASP.NET, Angular, Node.js, PostgreSQL
October 2019 - December 2021 (2 years 3 months)
Dhaka, Bangladesh

• Designed and developed a framework which provides a standardized way to query different database using a single interface while under the hood the framework converts those queries into raw database queries. This enabled application developer to declare conditions in a standardized manner reducing development time.

Skills: Node.js, JavaScript.

• Implemented a third-party client access mechanism by Implementing OAuth 2.0 protocol and jwt token-based authentication replacing previous network call-based authentication which reduced the latency of every network call by 30%.

Skills: Node.js, ASP.NET, Angular.js, OAuth, JSON Web Token

• Integrated a column-wise filtering system in our application grids which increased user experience on our application.

Skills: Angular, ASP.NET, MongoDB.

• Redesigned user activity tracking system on our application which reduced the server load of our activity tracking service by 30%.

Skills: ASP.NET, MongoDB, RabbitMQ.

• design and implement a UI framework on top of angular which maximizes code reuse and reduced development time.

Skills: ASP.NET, Angular, MongoDB.

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Education

Rajshahi University of Engineering & Technology
Bachelor of Science - BS , Computer Science and Engineering · (2015 - 2019)

Monipur High School & College
Secondary School Certificate, Science · (2006 - 2012)