



Md. Tangirul Islam

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(Home)

● ABOUT ME

As a seasoned software engineer, I thrive on translating creative concepts into robust code. With a passion for innovation and a commitment to coding excellence, I specialize in crafting efficient and scalable solutions. My diverse skill set, coupled with a keen eye for detail, allows me to contribute effectively to complex projects and drive technological advancement. Embracing challenges as opportunities for growth, I am dedicated to pushing the boundaries of what technology can achieve.

● EDUCATION AND TRAINING

11/06/2017 – 31/10/2021 Dhaka, Bangladesh
BACHELOR OF COMPUTER SCIENCE & ENGINEERING City University

- Acquired a deep understanding of fundamental computer science principles, algorithms, and data structures, laying a solid foundation for advanced problem-solving.
- Demonstrated proficiency in Java, C++, and Python programming languages, showcasing versatility and adaptability in software development.
- Delved into database management, networking, and operating system principles, gaining insights into the core components of computing systems.
- Developed advanced problem-solving skills through hands-on projects and coursework, applying theoretical knowledge to real-world scenarios.
- Applied numerical analysis techniques and utilized MATLAB for computational tasks, demonstrating a practical understanding of mathematical modeling and simulation.
- Strengthened teamwork and communication skills through active participation in collaborative group projects, fostering effective collaboration within diverse teams.
- Explored ethical considerations and societal implications of technology, emphasizing a holistic approach to the responsible development and use of computational solutions.
- Engaged in research activities, actively contributing to the advancement of computer science knowledge and demonstrating a commitment to the exploration of cutting-edge concepts and technologies.

Website <https://www.cityuniversity.edu.bd> | **Field of study** Computer Science & Engineering | **Final grade** 2.87 |

Type of credits Credit Point | **Number of credits** 157 |

Thesis SmartCuisine: A Culinary Intelligence System with Advanced Recipe and Restaurant Management System

● WORK EXPERIENCE

01/12/2023 – CURRENT Dhaka, Bangladesh
SOFTWARE ENGINEER RSA INFO TECH LTD

- Design, code, test, and debug software applications.
- Develop algorithms and implement efficient and scalable solutions.
- Use programming languages such as C#, PHP, React JS, Next.js, Vue.js, Python, and Java.
- Design and implement database structures.
- Optimize SQL queries for efficient data retrieval and manipulation using SQL Server, MySQL, and MongoDB.
- Write unit tests and perform integration testing to ensure software quality.
- Create and maintain technical documentation for software development processes, code, and system architecture or Software Requirement Specification(SRS).
- Work closely with cross-functional teams, including other developers, designers, and product managers.
- Participate in Agile development processes.
- Use version control systems (e.g., Git) to manage source code changes and collaborate with team members.

- Stay updated on the latest technologies, programming languages, and industry trends.
- Implement security measures to protect software and data integrity from any DDoS attack, SQL injection, Cross-Site Scripting(XSS), etc.
- Docker, and Kubernetes, maintain CI/CD pipelines to automate the building and deployment of software.
- Utilize cloud platforms (AWS, Azure) and cPanel to deploy and manage applications.

01/12/2021 – 30/11/2022 Dhaka, Bangladesh

JUNIOR SOFTWARE ENGINEER RSA INFO TECH LTD

- Write, test, and debug code for software applications.
- Collaborate with senior engineers to develop software solutions.
- Identify and fix bugs, troubleshoot, and resolve software defects.
- Document code consistently throughout the development process.
- Conduct unit testing and participate in system testing to ensure software quality.
- Work closely with cross-functional teams, including designers, product managers, and quality assurance.
- Stay updated with industry trends, new technologies, Agile methodologies, Payment Gateway Integration like SSLCommerz, Stripe, PayPal, Razorpay.
- Follow coding standards and best practices to ensure consistency and maintainability.
- Assist in the design and implementation of software projects under the guidance of senior team members.
- Effectively communicate technical concepts to non-technical team members.
- Contribute ideas and suggestions for process improvement and efficiency.

01/09/2021 – 30/11/2021 Dhaka, Bangladesh

TRAINEE SOFTWARE ENGINEER RSA INFO TECH LTD

- Assist in coding, testing, and debugging software applications.
- Collaborate with senior developers to write well-designed, efficient, and maintainable code.
- Participate in testing processes, including unit testing and integration testing.
- Identify and report bugs, errors, and inconsistencies in software programs.
- Document code changes, software functionalities, and development procedures.
- Create and maintain technical documentation for future reference.
- Contribute to research efforts for new tools, frameworks, and methodologies.
- Analyze and troubleshoot software issues, providing timely and effective solutions.
- Seek guidance from senior developers and learn problem-solving skills.
- Participate in code reviews to understand and implement best coding practices.
- Familiarize oneself with the company's software development lifecycle in C#, asp .net and azure, git. Adapt to changes in project requirements, technologies, and methodologies.
- Embrace a learning mindset and be open to constructive feedback.

Business or Sector Information and communication | **Department** Development | **Email** info@rsaintech.net |

Website <https://www.rsaintech.net>

● **LANGUAGE SKILLS**

Mother tongue(s): **BANGLA**

● **DIGITAL SKILLS**

Frontend

JavaScript | React.js | Vue.js | Next.js

Backend

Microservices | Python | C# | PHP | Apache Kafka

Framework

ASP .NET | Entity Framwerk | Laravel

Database

SQL Server | MySQL | MongoDB

DevOps

Docker | Kubernetes | Git | Linux | Gitlab CI/CD | Azure | AWS | cPanel | Apache | Nginx

CMS

Wordpress | Shopify

● PROJECTS

10/02/2023 – 30/07/2023

GPS Freelancer: Navigating Opportunities in the Professional Landscape

GPS Freelancer offers a versatile platform with three categories—Group Jobs for collaborative tasks, Personal Jobs for individual freelancers, and Services for portfolio-based hiring. Facilitating secure transactions, it ensures fair compensation and trust in the digital job marketplace. Simplifying freelance connections, GPS Freelancer promotes seamless collaboration and transparent transactions for job creators and freelancers alike.

In this project, I led the development of the entire software. Specifically, I drove the development of Geo-Restriction, designed a robust database, and closely collaborated with clients to interpret business policies. I conducted a thorough requirement analysis, crafted an innovative software architecture, and seamlessly integrated a secure payment gateway, contributing significantly to the project's success.

Link <https://gpsfreelancer.com>

13/02/2022 – CURRENT

Infix Edu: Ultimate Education ERP

Infix Edu is the ultimate Education ERP designed for any educational institute, facilitating administration, teacher, student, and parent engagement. It encompasses features such as student attendance tracking, Google meet class management, HRM functionality, and OpenAI integration. The software caters to various educational entities, including universities, schools, course centers, and coaching institutions, offering a multi-tenant structure. Available on Envato Market, users can set up the software on their hosting.

My contributions include OpenAI and Alumni module integration, overseeing the complete HRM section, and developing the examination module for student assessment and result dissemination.

Link <https://infixedu.ischooll.com/>

15/02/2022 – 30/06/2023

Digital UD Management

Digital Utilization Declaration Management, customized for BKMEA, utilizes ASP.NET and SQL Server for robust performance. It efficiently calculates raw material borrowings, current costs, and overseas stock, evaluated and authorized by BKMEA and Bangladesh Income Tax. My pivotal role in quantity calculations, import/export tracking, stock analysis, and payment validation contributes to seamless compliance with BKMEA and Bangladesh Income Tax regulations, ensuring operational efficiency.

Link <https://bkmea.net/>

● HONOURS AND AWARDS

01/02/2021

7th rank in the Cyber Security Contest – City University

I take pride in securing the notable 7th position in the esteemed Cybersecurity Contest hosted by City University. This achievement underscores my commitment and proficiency in the cybersecurity domain. Throughout the event, I showcased my expertise in recognizing and addressing security threats, highlighting my adeptness in overcoming intricate challenges within the dynamic realm of digital security.

● HOBBIES AND INTERESTS

Proficient Guitarist

Adept at playing the guitar, my musical passion extends beyond skillful strumming to a keen understanding of various genres. Whether composing original pieces or covering classics, I bring creativity and dedication to my musical pursuits, adding a harmonious dimension to my personal and professional life.

Passionate Explorer

Travel, particularly with an emphasis on hiking and trekking, is an integral aspect of my lifestyle. Beyond cultural enrichment, it cultivates adaptability and a broader perspective, reflecting my commitment to continuous exploration.

● VOLUNTEERING

13/04/2018 Dhaka

Dhaka cleaning campaign

Actively contributed to urban cleanliness initiatives, collaboratively maintaining a pristine city environment. Demonstrated unwavering commitment to community well-being and environmental stewardship, earning recognition as a Guinness World Record holder for participation in various cleanup projects.

Link <https://www.kalerkantho.com/english/online/national/2018/04/13/9217>

23/02/2023 – 26/02/2023 Dhaka

BASIS SoftExpo

Volunteered at BASIS SoftExpo, the leading IT and ITES showcase in Bangladesh. Contributed to fostering collaboration, creating a vibrant atmosphere for ICT professionals, industry leaders, and policymakers during the 17th edition in February 2023.

Link <https://softexpo.com.bd/>

● RECOMMENDATIONS

Alamgir Patwary Chief Operating Officer

Tanjir has been an essential team member, working under my leadership on various projects. His dedication to his work has been commendable, and he consistently fulfills his commitments with excellence.

Email alamgir773@gmail.com | **Phone** (+880) 1713121599

Md. Masudzzaman Project Manager

Tanjir has been an invaluable asset to our team, demonstrating exceptional leadership skills and a keen ability to manage projects effectively. His dedication, strategic thinking, and commitment to achieving project goals.

Email masud1.rsa@gmail.com | **Phone** (+880) 1760247402

I hereby declare that all the information furnished above is true to the best of my belief.



Md. Tangirul Islam