

# Al Amin Hossain

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## Summary

I am an experienced developer with a passion for creating top-quality software solutions. With over nine years of experience working with prestigious financial institutions, I have honed my expertise in C# and ASP.NET Core, making me an expert in enterprise-grade software development.

As a Computer Science and Engineering MSc graduate, I possess extensive software development knowledge and specialize in creating capital market-related solutions. My key proficiencies include programming languages such as C# and ASP.NET Core, both robust technologies used in enterprise-grade software development. I also have a knack for working with back-end database servers such as Oracle and MSSQL, particularly in handling complex SQL queries with precision and efficiency.

I am passionate about developing enterprise-grade APIs and delivering robust, scalable, and efficient software solutions. My experience working within the financial sector has given me a deep understanding of the unique challenges and intricacies associated with capital market-related software. This understanding has enabled me to create tailored solutions that meet the specific needs of financial institutions.

As a software developer, I am committed to delivering high-quality solutions that drive innovation and efficiency in software development initiatives. I leverage cutting-edge technologies and my profound understanding of the financial domain to position myself as a valuable asset to any organization seeking to achieve success. Thank you for considering my expertise.

## Experience



### Software Programmer

Investment Corporation of Bangladesh (ICB)

Nov 2022 - Present (1 year 7 months)

I have extensive experience in the banking and financial industry, with nine years of involvement in various software development projects. My expertise lies in creating advanced software using Microsoft Stack's .NET platform, conducting comprehensive testing, and developing efficient process flows. Additionally, I possess the skills to design robust software backends, including APIs and database queries. I am proud to have been part of a highly skilled team responsible for delivering critical software systems, such as the General Ledger, ICB Portfolio Management System, User Management System, and Employee Dashboard. My work philosophy centers on the transformative power of hard work and honesty, and I am committed to making a positive impact through my contributions.

Expertise:

- Proficient in software development using Microsoft Stack's .NET platform, delivering innovative and reliable solutions.
- Conducting rigorous testing processes to ensure software quality and performance.
- Creating streamlined process flows to optimize software development and implementation.
- Designing efficient software backends encompassing APIs and database queries.

#### Notable Projects:

- General Ledger: Developed a comprehensive General Ledger system, facilitating accurate financial transaction tracking and streamlined reporting and analysis.
- ICB Portfolio Management System: Played a pivotal role in building the ICB Portfolio Management System, empowering users to manage investment portfolios efficiently and make informed decisions.
- User Management System: Successfully delivered a User Management System, simplifying the management of user accounts, permissions, and access control for organizations.
- Employee Dashboard: Contributed to creating an intuitive Employee Dashboard, providing real-time insights into workforce performance and productivity.



### **System Analyst**

#### **BrandTrader**

Apr 2022 - Present (2 years 2 months)

I am Turning business logic into codes.

At Brand Trader, I assist businesses in pinpointing issues, assessing needs, and devising optimal solutions. I create a streamlined process flow that effectively resolves the problem and seamlessly integrates with their existing system. Thus far, we have developed an exceptional application with the ability to manage inventories, need lists, bidding, offer negotiation, purchase orders, and invoicing systems. We have several more features in the works.



### **Assistant Programmer**

#### **Investment Corporation of Bangladesh (ICB)**

Jun 2013 - Nov 2022 (9 years 6 months)

##### 1. Analysis and Design of New Software:

- Collaborate with stakeholders to gather requirements and analyze business needs.
- Design software solutions based on the requirements, ensuring scalability, performance, and security.

##### 2. Coding new and existing software:

- Utilize ASP.NET MVC, C#, and ASP.NET Core to develop robust and scalable web applications.
- Implement best practices in coding standards and ensure high-quality code.
- Collaborate with front-end developers to integrate user interfaces with back-end functionality.

##### 3. API Development:

- Design, develop, and maintain APIs using industry-standard protocols and frameworks.
- Integrate APIs with external systems and third-party services.
- Ensure API security and implement authentication and authorization mechanisms.

##### 4. Maintenance of existing Oracle Database:

- Perform routine maintenance tasks, such as backup and recovery, database optimization, and performance tuning.
- Troubleshoot and resolve database-related issues.
- Implement security measures to protect data integrity and confidentiality.

##### 5. Oracle Form and Report Development:

- Develop and maintain Oracle Forms and Reports to meet business requirements.
- Design and implement data entry forms, reports, and data retrieval mechanisms.

- Collaborate with users to gather requirements and provide technical support for Oracle Forms and Reports.



## **Software Engineer**

Kallol Group of Companies

Feb 2013 - Jun 2013 (5 months)

My Responsibilities:

1. Bug fixing, updates, and enhancements.
2. Database management and optimization.
3. Security and compliance.
4. Integration with other systems.
5. Documentation and user support.

Impact:

1. Improved operational efficiency.
2. Enhanced data accuracy.
3. Higher user satisfaction.
4. Stronger security and compliance.
5. Streamlined processes through integration.

Achievements:

1. Reduced downtime with robust recovery.
2. Improved database performance by 30%.

## **Software Engineer**

Max IT

Dec 2010 - Jan 2013 (2 years 2 months)

Duties/Responsibilities:

1. Crystal Reports: Create reports using Crystal Reports, involving data manipulation, layout design, and filtering for valuable insights.
2. VB and C# Programming: Develop and optimize software applications using Visual Basic (VB) and C# for desktop, web, and mobile platforms.
3. ASP.NET and C# Web Programming: Build dynamic web applications with ASP.NET, C#, HTML, CSS, and JavaScript for a seamless user experience.
4. Software Maintenance: Identify and fix bugs, apply updates, and enhance existing software to ensure reliability and up-to-date performance.
5. Customer Support: Support clients and users exceptionally, effectively addressing questions and troubleshooting software issues.



## **Network Support Engineer**

IPvision Canada Inc

Sep 2009 - Nov 2010 (1 year 3 months)

- Testing and validating VOIP switches for efficient call routing, signaling, and media processing while ensuring high call quality.
- Working with VOIP software like MERA and VOS to configure and manage platforms, optimize performance, and implement security measures.
- Providing network support to troubleshoot connectivity issues and ensure seamless VOIP communication.
- Offering remote administration services, including routine maintenance and system monitoring for optimal VOIP infrastructure operation.
- Leveraging expertise and staying updated with industry trends to deliver efficient and reliable business communication solutions, exceeding client expectations.

## **Education**



### **Jahangirnagar University**

Master's Degree, Computer Science

2013 - 2014



### **Bangladesh University**

Bachelor's Degree, Computer Science and Engineering

2009 - 2012

### **Sylhet Polytechnic Institute**

Diploma, Computer Engineering

2004 - 2008

### **Chhatak Cement Factory High School**

S.S.C, Science

1994 - 2004

## **Licenses & Certifications**



### **Certificate of Completion: Photography Course - Sololearn**

1015-520299

## **Skills**

.NET Core • SQL • Azure DevOps Server • API Development • .NET Framework • C# • Back-End Web Development • Database Design • Git • Agile Methodologies

## **Honors & Awards**

### **Best Student Award - Bangladesh University**

Jun 2012

I am honored to have received the Best Student Award, 2012 from Bangladesh University, recognizing my outstanding achievements in various aspects. I have consistently excelled academically, maintaining excellent results throughout my tenure. Additionally, I have actively engaged in a multitude of extracurricular activities, demonstrating my commitment to personal growth and contributing to the university community. Moreover, I take pride in motivating and inspiring my peers to volunteer and give back to society, fostering a spirit of altruism and community involvement. This award symbolizes my dedication to holistic development and my passion for positively impacting those around me.

### **ICB Integrity Awards - Investment Corporation of Bangladesh (ICB)**

Jun 2020

I am proud to have been honored with the "Integrity Award" by the Investment Corporation of Bangladesh for the financial year 2018-19. This prestigious recognition underscores my unwavering commitment to hard work, honesty, dedication, and exceptional job performance. The award is a testament to the organization's annual endeavor to identify employees who exhibit the highest moral standards and excel in their roles. It reaffirms my steadfast commitment to upholding integrity in the workplace while consistently delivering exceptional results. This accolade is a testament to my dedication to ethical principles and professional excellence within the organization.