

## Mohammad Sakhawat Hossain

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Arban Housing Society, West Shahid Nagar, Baizid, Oxyzen - 4211, Chittagong, Bangladesh

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### Professional Summary

Experienced IT professional with a Master's degree in Computer Science and over 20 years of expertise in enterprise-level applications, systems, and financial protocols. Proven track record in project management, software development, and seamless integration of trading systems. Adept at collaborating across teams, delivering under pressure, and quickly adapting to new technologies.

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### Core Competencies

- **Programming Languages:** C/C++, Visual C++ (MFC), C#, JavaScript
  - **Frameworks & Libraries:** ASP.NET, ASP.NET Core, Node.js, React, Entity Framework, Tailwind CSS
  - **Databases:** SQL Server, Oracle, MongoDB, MySQL, MS Access
  - **Tools & Technologies:** Git, Visual Source Safe, Jira, DevExpress, WebSocket, Redis
  - **Methodologies:** Agile, Scrum
  - **Cloud & DevOps:** Microsoft Azure
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### Professional Experience

**Chittagong Stock Exchange PLC (CSE) | January 2016 – Present**

*Deputy Manager, IT – Software Division*

- Led critical projects including the API integration of Order Management Systems (OMS) with FIX/FAST/DROP COPY protocols.
- Designed, implemented, and maintained Clearing and Settlement systems for post-trade data processing.
- Managed Surveillance and Index systems utilizing DSG protocols for real-time data distribution.

- Supervised software development, including coding, unit testing, and troubleshooting.
- Engaged with clients and vendors for API implementation, certification, and technical support.

**CSE** | January 2013 – December 2015

*Assistant Manager, IT – Software Division*

- Played a pivotal role in OMS vendor certifications and troubleshooting API issues.
- Coordinated with internal and external teams to ensure software delivery and operational excellence.

**CSE** | June 2010 – December 2012

*Senior Officer, IT – Software Division*

- Contributed to the development and maintenance of mission-critical systems, including real-time trading solutions.

**Vintage IT Limited** | November 2008 – May 2010

*Team Leader*

- Directed a team of five developers and one tester to deliver projects for international clients in the USA and Canada.
- Managed a web-based project management tool similar to Microsoft Project, integrating advanced features.

**Enosis Solutions** | April 2007 – October 2008

*Senior Software Engineer*

- Developed the Visual Environment project for the ESI Group, focusing on interoperability with simulation tools.
- Designed XML editors and import/export mechanisms for customizable software tools.

**Apsis Resources Limited** | January 2004 – March 2007

*Software Engineer*

- Developed SignWriter, a design software suite for creating posters and price cards, for VKF Renzel GmbH.
  - Specialized in unit testing, bug fixing, and UML documentation.
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## Major Web Projects & Skills

### NextGen OMS

- **Description:** Professional-grade Order Management System for equity markets supporting real-time FIX 5.0 SP2 order routing, market data via FAST protocol, and scalable microservice communication using Redis.
- **Technologies:** C#, React, TailwindCSS, ExpressJs, WebSocket, Redis
- **Key Skills:** Real-time trading protocols, microservices architecture, FIX/FAST protocols, scalable backend integration

### Study Hub

- **Description:** Social learning platform enabling students to join or create local study groups, encouraging academic community building.
- **Technologies:** React, MongoDB, TailwindCSS, JWT, Firebase, ExpressJs, SSLCommerz, Stripe
- **Key Skills:** Full-stack development, authentication & authorization, payment gateway integration, realtime updates

### Athletic Hub

- **Description:** Fitness social platform for joining local workout groups or creating new ones, fostering community around fitness.
- **Technologies:** React, MongoDB, TailwindCSS, JWT, Firebase, ExpressJs
- **Key Skills:** Social engagement features, user management, real-time notifications

### Hobby Hub

- **Description:** Platform for hobby enthusiasts to join or create groups based on shared interests (books, hiking, painting, etc.)
  - **Technologies:** React, MongoDB, TailwindCSS, DaisyUI, Firebase, ExpressJs
  - **Key Skills:** UI/UX design, responsive layouts, cloud database integration
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## Education

- Master of Computer Science (MCS) | University of Pune (India), 2003
  - Bachelor of Computer Science (BCS) | University of Pune (India), 2001
  - H.S.C. (Science) | Govt. Mohsin College (Bangladesh), 1994
  - S.S.C. (Science) | Port Authority High School (Bangladesh), 1992
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## Certifications & Memberships

- MBCS: Member, Bangladesh Computer Society (BCS) | ID: 01131
  - MACS: Member, Australian Computer Society (ACS) | ID: 3036099
  - Training: 6-month training in Network Technologies (Novell, India)
  - Training: 3-month training in Software Engineering (Sweden)
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## Languages

- English, Bengali, Hindi
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## Personal Details

- Birth Date: 19-Mar-1977
- Nationality: Bangladeshi