

# NOBEL KHANDAKER

Ex-Microsoft | 15+ years of excellence in Fortune 500 company & top-tier startups

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Dhaka, Bangladesh

## KEY ACHIEVEMENTS

### Proven Engineering Leadership - Enterprise, Startup

Formed and led successful engineering teams, worked with stakeholders to deliver successful apps and SAAS product

### Top-tier International Awards

Top 20 emerging AI applications | AAAI, USA  
Othmer fellowship | University of Nebraska Lincoln, USA

## WORK EXPERIENCE

05/2022 - Ongoing

Dhaka, Bangladesh

### Chief Technology Officer

#### LiquidX Group

Blockchain, NFT collections, web3 technologies

- Collaborated with the architects to design highly available asynchronous service-based architecture
- Optimized the SDLC improved software delivery velocity by 30% achieved 99.9% service availability
- Led the delivery of top-ranked Web 3 projects and NFT collections - Anime Metaverse and Pixelmon
- Led the design of a poly cloud infrastructure to ensure high availability (99.9%) with optimized cost
- Led the hiring and budget planning for engineering org according to the product strategy and vision

10/2021 - 05/2022

Dhaka, Bangladesh

### Vice President of Engineering

#### Omnilytics

Global leader in retail analytics

- Designed our engineering vision - significantly improved design, delivery, and efficiency
- Achieved 30% savings of AWS cloud infrastructure cost - infrastructure optimization
- Achieved 99.9% availability of ML services and pipelines (web scraping, and ELT) with serverless architecture

09/2020 - 10/2021

Dhaka, Bangladesh

### Senior Vice President of Technology

#### Shohoz

- Led product and development teams to deliver highly performant, scalable apps, and services
  - recommendation as a service, identity management service, learning app, and fintech app
  - increased customer acquisition and retention through new apps and services
- Led DataOps, design and implementation of ELT pipeline, data lake, data warehouse, and biz analytics
  - seamless data aggregation, reporting, and strategic decision support for stakeholders
- Led engineering recruitment - built efficient team (architects, developers, data scientists, and QA)

09/2019 - 09/2020

Dhaka, Bangladesh

### Vice President of Technology

#### Shohoz

Leading startup in Bangladesh for ticketing, food delivery, and ride-sharing

- Led architects, dev and QA teams (70+ engineers) to develop contact-tracing health app, analytics and reporting services for Govt. of Bangladesh.
  - used for country-wide tracking and mitigation of the spread of COVID-19 infection
- Led the cloud infrastructure lift and shift project (between AWS and Azure)
  - over \$100K cloud infrastructure cost savings per year
- Led the refactor and rewrite of core platform services (geolocation, notification, review/rating, profile)
  - achieved 99.99% availability and significantly reduced service outages
- Led ride-sharing, food delivery, payment gateway, super app, truck app, platform, infrastructure teams
  - 99.99% SLA, new feature development, QoS, and incident response

08/2018 - 09/2019

Redmond, WA, USA

### Senior Software Engineer (Lead)

#### Microsoft

- Led remote engineering teams - re-architecture data loss prevention service in Office 365 ecosystem
  - projected \$1B infrastructure cost savings achieved in Sharepoint datacenters over 5 years
  - 10x improvement in latency and accuracy in detecting sensitive content in 200M users documents

## WORK EXPERIENCE

- 08/2013 - 08/2018** • **Software Development Engineer II**  
Redmond, WA, USA  
**Microsoft**
  - Full-stack development of mobile device management portal for Office 365
    - 35M new customers acquired
  - Develop localized content dictionaries
    - enabled customized sensitive content search for 1M+ Office 365 users
- 06/2011 - 08/2013** • **Software Development Engineer in Test**  
Redmond, WA, USA  
**Microsoft**
  - Full-stack development of Big data collection and analysis pipeline for Microsoft Exchange users
    - strategic decision support with reports and dashboards that capture 200M+ users interactions
- 08/2005 - 05/2011** • **Graduate Research Assistant**  
Lincoln, NE, USA  
**University of Nebraska-Lincoln, USA**
  - Pioneered AI-enabled algorithm for human team formation and its implementation in online collaborative environments - university classrooms
  - Won Top 20 Emerging AI application award in top-tier AAAI conference
- 08/2004 - 08/2005** • **Application Developer**  
Lincoln, NE, USA  
**University of Nebraska-Lincoln**
  - Designed and developed secure online survey site and dashboards to monitor student, educator performances in the State of Nebraska, USA

## EDUCATION

- 08/2005 - 04/2011** • **Ph.D. Computer Science**  
University of Nebraska - Lincoln, USA
- 08/2003 - 08/2005** • **M.S. Computer Science**  
University of Nebraska - Lincoln, USA  
GPA 3.75 / 4
- 06/1995 - 06/2000** • **B.Sc. Physics**  
University of Dhaka

## KEY PUBLICATIONS

### A Wiki with multiagent tracking, modeling, and coalition formation

Innovative Applications of Artificial Intelligence Conference (IAAI)

*Soh, L.-K., Khandaker, N., Jiang, H.*

📅 05/2010

### Lessons Learned from Deploying I-MINDS and ClassroomWiki Collaborative Learning and Writing Applications

IEEE Transactions on Systems, Man, and Cybernetics-C

*Khandaker, N. & Soh, L.-K.*

📅 08/2010

### A Simulation Tool for Computer-Supported Collaborative Learning

IEEE Transactions on Systems, Man, and Cybernetics-C

*Khandaker, N. & Soh, L.-K.*

📅 08/2010