

# NOBEL KHANDAKER

Ex-Microsoft | 10+ years of excellence in Fortune 500 company & top-tier startups

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📍 Dhaka, Bangladesh

## KEY ACHIEVEMENTS

### Blockchain, Web 3 and Metaverse projects

Led design and delivery of smart contracts, web 3 projects - staking, games, and dapps with 99.99% availability

### Led billion-dollar infrastructure project at Microsoft

Led information protection project with remote teams with projected \$1B infrastructure cost savings in Office 365 Sharepoint datacenters

### Highly performant scalable apps and services

Designed and implemented large-scale apps and services using event-driven and microservices architecture in AWS and Azure

### Top International Awards

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

## EXPERIENCE

05/2022 - Ongoing

Dhaka, Bangladesh

### CTO

#### LiquidX Group

High-potential NFT projects, web3 technologies, and gaming

- Led the delivery of smart contracts ERC 721 ERC 1155 and dapps on Ethereum and L2 networks
- Led the development of Web 3 projects - Anime Metaverse and Pixelmon
- Led the design of scalable Web 2 platform for future expansion of Web 3 projects and games
- Led engineering team recruitment - blockchain, feature, and DevOps teams

10/2021 - 05/2022

Dhaka, Bangladesh

### VP Of Engineering

#### Omnilytics

Global leader in analytics solutions

- Delivered the engineering vision - significantly improved design, delivery, and efficiency
- Achieved 30% savings of AWS cloud infrastructure cost - infrastructure optimization
- Achieved cost savings and improved service availability of data mining process through serverless migration

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

- Led architects, dev and QA teams (70+ engineers) to develop contact-tracing app and reporting services for Govt. of Bangladesh.
  - reduced infection spread for smartphone users
- 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

## EXPERIENCE

08/2013 - 08/2018

Redmond, WA, USA

### Software Development Engineer II

**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

Redmond, WA, USA

### Software Development Engineer in Test

**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

Lincoln, NE, USA

### Graduate Research Assistant

**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

Lincoln, NE, USA

### Application Developer

**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