



<https://www.linkedin.com/in/muhammad-nazmuzzaman-8585346/>

Contact

Phone/WhatsApp

+8801723551108

Email

zaman.bd@gmail.com

Canada Address

158, William Honey Cres, P.O. L3S2L5
Markham Ontario, Toronto, Canada

Bangladesh Address

Apartment 304, House 8, Road 10, Block C,
Section 6, Mirpur, Dhaka 1216, Bangladesh

Education

2003

B.Sc in Computer Science & Engineering

Queens University

2023

PGD (ACMP 4.0)

IBA, Dhaka University

Expertise

- Computer Vision & AI
- OpenCV & DLIB
- Machine Learning & TensorFlow
- DevOps Architect
- AWS Solution Architect
- FinTech Architect
- eCommerce Architect
- ERP Solution Architect
- Cyber Security Architect

Language

English

Hindi

Bangali

Muhammad Nazmuzzaman

AI & ML Expert | CEO | IT Consultant IT Head | CTO |
COO| Business Analyst | Software Architect



I am an accomplished IT specialist with a diverse background spanning over two decades, specializing in telecommunications, FinTech, ERP solutions, and AI-driven innovations. My extensive experience includes working with leading telecom operators and banks across various countries, demonstrating a consistent ability to identify and capitalize on business opportunities, streamline operations, and lead large technical teams effectively.

In the realm of machine learning and computer vision, I have designed and implemented **predictive AI** modules for ERP solutions and developed **face recognition-based** authentication systems using **OpenCV**. My proficiency extends to AWS cloud infrastructure, where I have executed DevOps practices in microservice architectures, enhancing the scalability and efficiency of SaaS ERP solutions.

My technical prowess is complemented by my strategic project management skills, including complete P&L responsibility, budget planning, cost control, and interdepartmental collaboration. My notable achievements include a significant data migration project for Afghan Wireless, resulting in substantial cost savings, and the development of FinTech solutions adopted by multiple banks in Bangladesh.

With a solid foundation in software engineering and a keen ability to innovate and implement AI-driven solutions, I am well-positioned for roles focusing on **OpenCV and machine learning** development. My technical expertise leadership and strategic planning capabilities make me a valuable asset for any organization looking to advance its technological edge in these fields.

KEY SKILLS AND ACHIEVEMENTS

Artificial Intelligence, Cloud Computing and Microservice

Successfully designed **predictive AI** modules for the Innweb ERP solution and integrated the generative AI for BPA solutions while working for Expo Group. Also implemented the DevOps in Microservice Architecture in AWS cloud infrastructure for the SaaS ERP solution.

Fintech Product Innovating and New Market Development

Successfully assisting various banks in introducing and implementing mobile banking service while working with Allone Softtech Ltd. and Bangladesh Microtechnology Ltd. (BDMiT). Developed face **recognition-based authentication using OpenCV, DLIB & TensorFlow**. Conducted opposite market research and identified mobile solutions to meet demand. Designed and developed bank lead model mobile banking and agent banking solution in BDMiT which was bought by four banks in Bangladesh.

Process Improvement, Proactive Migration and Cost Savings

Proven record of migrating 1M customer's data of Afghan Wireless Communication Company (AWCC) from billing system of Argent resulting in saving \$1M (USD) in cost of data procurement. Extracted all AWCC's customer data from Argent database and migrated to NSN system by writing UNIX scripts and PL/SQL. Bestowed with an extraordinary performance award and \$3000 increment in salary. Developed and implemented the newly adopted LHS postpaid billing system and facilitated required training to the CRM team to efficiently utilise the new system. At AsiaCell, Sulaymaniyah, analysed data and processes to accurately identify revenue leakage points and minimise revenue loss in AsiaCell's network. Further, provided consultation to rectify inaccurate practice of customer roaming deactivation process, thus substantially reducing revenue loss.

Technical Consultancy, Interdepartmental Collaboration and New Product Development

At Warid Congo SA, instrumental in strategically resolving a problem related to interconnection of Huawei's Core system with the CRM and billing system. Coordinated activities/roles of Warid's core network team and IT billing's team which resulted in minimising technical and personnel differences between them. Successfully resolved all technical issues and provided a new VAS product to the sales and marketing team to help them penetrate the market and acquire new customer base.

Training Summary

Oracle Certified Programmer (OCP)

2002 - 3 Months | American International University Bangladesh

CCNA

2003 - 4 Months | American International University Bangladesh

IFS ERP Implementation Consultant

2005 - 1.5 Month | IFS Sweeden

Training on IN@vantage (VomsXpress, ChrisXpress, SimXpress)

2006 - 3 Months | Siemens, Germany

LHS Post Paid Billing & Interconnect

2007 - 2 Months | LHS, Germany

Training on Huawei IN, Mediation, SMSC, HLR and MSC

2008 - 2 Months | LHS, Germany

Digital Marketing

2021 - 1 Month | Udemy

Amazon FBA

2022 - 3 Months | Career Hub, Bangladesh

Social Medial Marketing

2022 - 2 Months | Udemy

AWS Solution Architect

2023 - 4 Months | Azdatech Online

DevOps, Docker & kubernetes

2023 - 4 Months | Page Cloud Academy

Ethical Hacking

2023 - 1 Months | Udemy

Computer Vision & AI

2024 - 3 Months | OpenCV University

DevOps Expertise

- Alige Development
- Docker & Container
- IaS (Ansible & Terraform)
- Kubernetes
- CI/CD Pipeline Jenkins
- Source Code Repository with GitHub

AWS Expertise

- IAM, EC2, S3 Bucket
- RDS, Virtual Private Network
- Elastic Load Balancer
- Cloud Watch, Auto Scaling
- SQS, API Gateway
- AWS Security

Issue identification and Increased Revenue Opportunities

Played a crucial role in determining and rectifying revenue leakage in data as well as voice services of Zain Lagos, Nigeria, also resolved and corrected data service, thus enabling clients/customers to utilise free data through free URL. Identified improper/inaccurate configuration in the switch which permitted clients to make free call post-midnight. At MTN-Kabul, corrected revenue leakage in the voice service as well as single-handedly analysed the data and processes to determine leakage point which MTN and Ericsson's technical teams were not able to accomplish; corrected signalling link utilisation calculation, thereby increasing revenue.

Experience

○ Apr 2023 - Present

Expo Group Bangladesh | Dhaka, Bangladesh - Dubai UAE • Hybrid

Chief Operation Officer (Software and Cloud Infrastructure)

Accountable for providing technical advice while creating effective concepts and products to improve the company's software products business. Develop the local and international market for the software products.

Design, customize, and implement the DevOps, AWS Infrastructure, Predictive Artificial Intelligence (AI) and ERP solution for different companies.

○ Aug 2022 - Jul 2023

NCC Bank Ltd. | Dhaka, Bangladesh

IT Audit Consultant

Develop the Tor and RFQ for IT Audit, VAPT, PCI-DSS, Swift CSP, ISO 27001 audit
Coordinate Internal IT Audit, Card Audit, Swift CSP audit

○ May 2020 - Jul 2022

Allone Softtech Ltd. | Dhaka, Bangladesh

CEO & FinTech Solution Architect

Accountable for providing technical advice while creating effective concepts and products to improve the market position of the company's FinTech products and AWS business.

Design, customize, and implement the Mobile Banking and Agent Banking Solution for different banks. Also, develop a face recognition-based authentication solution using OpenCV.

○ Jun 2012 - Apr 2020

Bangladesh Microtechnology Ltd. | Dhaka, Bangladesh

CEO & FinTech Solution Architect

Manage Business Development

Manage the Entire Technical Team

Design and Develop FinTech Solutions like Mobile Money, Agent Banking, Apps Banking, eKYC and QR Payment

○ Mar 2011 - May 2012

Aircom International | Dubai, UAE | Kabul, Afghanistan | Amman, Jordan

Telecom Consultant (CS, PS, IN & VAS)

Operator: Etisalat Afghanistan

Responsibility: Audit all the IN, VAS, & Billing (Signaling, SCU, OCU, SMSC, MMSC, RBT, VMS, WAPGW) nodes and check the KPI & recommend for quick fixing and restructuring. Also identify revenue leakage.

Operator: Umniah Jordan

Responsibility: Design CS & PS core network for 3G Network

Operator: MTN Afghanistan

Responsibility: Audit all the IN, VAS & PS (Signaling, CCN, SDP, AIR, SMSC, MMSC, SGSN, GGSN and SASN) nodes and check the KPI & recommend for quick fixing and restructuring. Also indentify revenue leakage.

Development Experience

Python
OpenCV, DLIB
TensorFlow
WordPress & WooCommerce
Oracle DBA in Windows & Linux
Solaris Platform
Oracle ASM
Oracle RAC
Developer 6i
SQL Server
VB6
Crystal Report
ASP
ASP.NET
C#
Linux Shell Scripting
Java Swing/Script
CSS7

EARLY CAREER

Bangladesh Microetchnology Ltd

Apr 2010 - Feb 2011

Chief Technology Officer

Aircom International South Africa (Contractor), South Africa – Client: Zain Lagos, Nigeria

Nov 2009 – Mar 2010

GSM Auditor - CS, PS, IN and VAS (Vendor Ericsson and Huawei)

Aircom MEA FZ LLC (Contractor), UAE – Client: AsiaCell, Sulymaniah, Iraq

Apr 2009 – Jun 2009

Senior IN and VAS Auditor

Warid Congo S.A., Republic Of Congo

Nov 2007 – Mar 2009

Manager - Planning and Implementation(CS, IN, VAS and PS)

Telephone Systems International, USA – Client: Afghan Wireless Communication Company, Kabul, Afghanistan

Nov 2006 – Oct 2007

IN and Billing Engineer

ICE Technologies & Services Ltd., Dhaka, Bangladesh

Apr 2005 – Oct 2006

Senior Software Engineer (Team Leader of Lease ERP and VAS Development)

Technohaven Company Ltd, Dhaka, Bangladesh

Mar 2004 – Mar 2005

Programmer

Electro CRAFT Corporation Limited, Dhaka, Bangladesh

Jan 2000 – Feb 2004

Programmer

PROFESSIONAL CREDENTIALS

Telecom Domain Specialization

SS7 Traffic Analyzing and Link Dimensioning, Core Network Optimization and Advance IN

Features Implementation

IN and VAS Product Development, Revenue Leakage and Fraud Detection

KPI Monitoring and Report Development for NSS, IN and VAS Nodes

Roaming Implementation, GRX, DPI, OTA and 3G (R99, HSDPA, IuCS and IuPS)

Telecom Nodes Experience

Huawei (USAU, URP, SMP, HLR, MSC, SMSC, MMSC, CRBT, SGSN, GGSN, TopEng, UMG, VMS, MCN and STP)

NSN (IN@vantage and HLR)

Ericsson (CCN, TSP, SDP, VS, AIR, HLR, SGSN, GGSN and SASN)

Vendor Experience

Ericsson, Huawei, NSN (Nokia Siemens), LHS (BSCS iX) and IFS

Reference

M. Asheq Rahman

CLink Advisory | Senior Partner

LLB (Honours) (University of London; 2-2) | Member Lincoln's inn | **MBA** (Fin, IT-Minder School of Business-OCU-Oklahoma) | **MSS** (Macro-First Class & Int Business-Merit) & **BSS** (Econ-DU) | **ICA** (((Distinction) **MSA** ((CC)-Oklahoma State University - Still Water, OK, USA)} Certified Anti-Money Laundering Specialist (CAMS)

Phone : +8801730333040

Email : russellasheq@gmail.com

Web : www.clinkadvisory.com