



# ANUP KUMAR SARKAR

Software Engineer

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## Work Experience

### Ernst & Young Global Limited (EY) Senior Software Engineer

Feb 2022 – Present

- Responsible for detailed technical design at a solution level. Estimate technical effort, work breakdown structure, risks and solutions for Core Business Service (CBS) Line.
- Responsible for delivery of overall technical solution within schedule and budget. Monitor adherence to methodologies, tools and KPIs.

### Healthcare Pharmaceuticals Ltd Software Engineer, Executive

Dec 2020 – Jan 2022

- By developing a full-fledged Fund & Expense Management System, where external & internal field forces successfully connected with stakeholders. Also helped to automate their task such as fund & expense management, budget controlling, product integration, billings & reporting.
- Newly developed system leads to more than 200% more efficient workflow & effective data tracking & sharing by removing bottlenecks and implementing automations.
- Analyzed & architected business intelligence models to measure ROI, KPI, Risk & Asset management.

### The Dhaka Mercantile Co-operative Bank Ltd. Software Engineer, Assistant Executive

Jan 2018 – Nov 2020

- Developed from scratch a complete ERP software for banking industry focus on key processes such as financial transactions, protecting clients' sensitive info, connecting multiple departments etc.
- Implementing comprehensive Banking ERP software not only provides access to important data, also enabling better Customer Service, Business Process Improvements and Enhanced Business Reporting

## Education

### Bachelor of Computer Applications (BCA)

2014-2017

Lovely Professional University  
Punjab, India  
CGPA: 7.7 out of 10 (77%)

### Higher Secondary Certificate (HSC)

2009-2011

FM International College  
Dhaka, Bangladesh  
GPA: 4.70 out of 5.0 (74%)

### Secondary School Certificate (SSC)

2007- 2009

Mirpur Siddhanta High School  
Dhaka, Bangladesh  
GPA: 4.69 out of 5.0 (73%)

## Career Summary

Pragmatic, versatile, forward-looking Software Engineer with 4+ years' background in creating and executing innovative software solutions to enhance business productivity. Highly experienced in all aspects of the SDLC & end-to-end project management by creating vision, ideation & design thinking, estimates & planning, develop, test, deploy and maintenance.

## Certifications

### Microsoft Asp.Net MVC Core with SQL Server

BASIS Institute of Technology & Management (BITM)  
Duration: 09/2020 - 10/2020

## Skills & Expertise

### Software Development Life Cycle

Creating vision, Ideation & design thinking, estimates & planning, develop, test, deploy, maintenance, PM & innovation using technologies.

### Specialization

Full Stack Web Development  
Android Application Development

### Architectures and Principles

SOLID, DDD, SPA, MVC, Micro front-ends

### Programming languages

C# (expert), Java, Typescript (proficient),  
C/C++, Php (prior exp.)

### Web Technologies

ASP.NET Core/Framework, EF Core, EF 6, Angular,  
Identity Server, Microsoft Identity, Codelgniter

### Framework & Library

jQuery, JavaFx, Antd Design, Syncfusion, Google  
Maps SDK, Android Jetpack Navigation, Android  
Room, Retrofit, LINQ, Automapper, Select2

### Data Management

MS SQL Server(expert), MySQL, SQLite, Azure SQL  
DB (proficient), SSIS, SSRS, SSDT

### Cloud

Azure (App Services, VM, SQL Database), CI/CD

### Machine Learning

Computer Vision using OpenCV & JAVACV

### Reporting

Crystal Report, RDLC Report

### Version Control & Others

GitHub, TFS, Parallel Processing & Concurrency in  
C#, Generic, Dependency Injection, Reflections,  
Data Structure & Algorithms,

## Projects Portfolio

### WEB APPLICATIONS

#### 1. DMCBL ERP

A complete ERP solution having HRM, CRM, PF, Loan, Banking & Centralized Attendance for The Dhaka Mercantile Co Operative Bank Ltd

**Tech Stack:** Asp.net MVC 5, Entity Framework, MS SQL Server 2017, Razor Pages, Bootstrap, jQuery, Crystal Reports, jQuery Datatable

#### 2. Fund & Expense Management System

Project containing various sales & marketing automations module creating efficient workflow & effective data tracking & sharing by removing bottlenecks. Full-fledged FEMS system, where external & internal field forces successfully connected with stakeholders. Also helped to automate their task such as fund & expense management, budget controlling, product integration, billings & reporting.

**Tech Stack:** .NET Core 5.0, EF Core, MS SQL Server 2017, Syncfusion, RDLC Reporting, Bootstrap, jQuery

**Link:** <https://ddf.hplbd.com/>

#### 3. XEOVENTORY POS & Accounting

Complete solution for POS, Sales, Purchases, Productions, Customers, Suppliers, Transactions, Ledgers, Journal, Receipts & Payments with various reports.

**Tech Stack:** Asp.net MVC 5, Entity Framework, MS SQL Server

**Link:** <https://xeoventory.azurewebsites.net>

#### 4. SapientCerts - Sapient Universal Certifications

Providing real time certificate audit & verifications using QR Code & other technologies.

**Tech Stack:** ASP.NET Core 5.0 WebAPI, EF Core 5.0, ASP.NET Core Identity, AJAX for CRUD, Clean Architecture

**Link:** <http://sapientcert.com/>

#### 5. HelloHi Parking

Book/reserve parking spot for your Vehicle anywhere in different cities in US.

**Tech Stack:** Php, CodeIgniter, MySQL, Bootstrap, Paypal Payment Gateway

**Link:** <https://hellohiparking.com/>

### Open Source Contributions (Desktop Apps)

#### 1. ExoVisix: (AI & Computer Vision)

Auto Attendance System Using Real Time Face Recognition with Various Computer Vision & Machine Learning Tools.

Attendance system Using Face Recognition, Face Trainer, Motion Detection OCR, Gesture Control, Rectangle Shape Detection, Eye Detection.

**Tech Stack:** Core Java, JavaCV (wrapper of Opencv), JavaFX, MySQL, Maven, Tesseract OCR Framework

**GitHub Link:** <https://github.com/MeAnupSarkar/ExoVisix>

**YouTube Demo:** <https://www.youtube.com/watch?v=6UnBZFvY8HE&t=533s>

#### 2. XEOCORP Bulk Card Generator:

Generate Bulk/Multiple Business Card by reading files from folder

**Tech Stack:** Core Java, JavaFx, Google zxing

**Link:** <https://github.com/MeAnupSarkar/Xeocorp-Card-Generator-JavaFX>

**YouTube Demo:** <https://www.youtube.com/watch?v=VVlRC3KtA&t=48s>

#### 3. React Redux Typescript Webpack Boilerplate:

Frontend Boilerplate with React, Redux, TypeScript, Webpack, Babel, Ant Design & many more

**Link:** <https://github.com/MeAnupSarkar/ReactReduxTsTemplate>

### ANDROID APPLICATIONS

#### 1. Vara123

Book or Rent the perfect Accommodation, Parking Spots, Vehicle Rentals in anytime, anywhere in BD.

**Playstore:**

<https://play.google.com/store/apps/details?id=com.brosoft.va.ra123>

#### 2. BCAS (Bangladesh Cost Accounting Standards)

Android app for content & book sharing for The Institute of Cost and Management Accountants of Bangladesh (ICMAB)

#### 3. HelloHi Parking

Book/reserve parking spot using android app.

**Playstore:**

<https://play.google.com/store/apps/details?id=com.brosoft.hellohiparking>

### Languages

- |            |                             |
|------------|-----------------------------|
| 1. Bengali | - Native (Read/Write/Speak) |
| 2. English | - Fluent (Read/Write/Speak) |
| 3. Hindi   | - Good (Speaking)           |

### Hobbies & Interests

1. Robotics & AI, IoT, Blockchain, Automation
2. Cosmology, Science, Travelling, Playing Guitar
3. Reading Books, Novels, Poem History, Ancient Civilizations
4. Sports: Cricket, Chess, Football, Pool, PC Games

### Extra Curriculum

#### 1. Participated Project Expo-2017

Project Developed & Presented: **ExoVisix AI**

#### 2. Participated Explorica-2016

Project Developed & Presented: **StudyPhobia**

#### 3. Participated One World Mega Event (India)

Showcasing the culture, heritage & history of BD

Participation Year: **2015, 2016, 2017**

Prize/Standings: **Runners Up**

#### 4. Participated in Hacker Rank World cup

Online coding Competition also various coding competitions in the campus

### Declarations

I, the undersigned do hereby state that to the base of my knowledge and belief, the above-mentioned data correctly described my qualification.



(Signature)