



# ANUP KUMAR SARKAR

Software Engineer

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## Work Experience

### Healthcare Pharmaceuticals Ltd

Software Engineer, Executive

01/12/2020 – Present

Developed & published complete sales & marketing automations software solutions for Pharmaceuticals Industry.

- Successfully connected internal & external sales, marketing as well as other management team & departments with external partner via newly developed automated system.
- Newly developed system leads to 50% more efficient workflow & effective data tracking & sharing by removing bottlenecks.
- Analyzed & architected business intelligence models to measure ROI, KPI, Risk & Asset management.
- Introduced new cutting-edge modern technologies by removing legacy system.

### The Dhaka Mercantile Co-operative Bank Ltd.

Software Engineer, Assistant Executive

01/01/2018 - 01/11/2020

Build up from scratch an Enterprise Resource Planning (ERP) solution software for Banking Sector & published to the cloud.

- Implementing comprehensive ERP software not only provides access to important data, also enabling a better process for collecting and analyzing data
- Better processes and communication lead to increased efficiency and enhanced company performance  
Moving data from the old legacy system and mapping it into the new ERP.
- Successfully developed Interconnected Realtime system using cutting edge modern technologies

## Education

### Bachelor of Computer Applications

2014-2017

Lovely Professional University, Punjab, India

CGPA: 7.7 out of 10

#### Extra Curriculum Activities:

1. Participated Project Expo-2017(Project Displayed: ExoVisix)
2. Participated Explorica-2016 (Project Displayed: StudyPhobia)
3. Participated in Hacker Rank World cup Competition

## Certifications

### Microsoft Asp.Net MVC Core with SQL Server 2017

BASIS Institute of Technology & Management (BITM)

Duration: 09/2020 - 10/2020

## Career Summary

Having 4 years of demonstrated experience in designing, architecting and supporting enterprise-level internet scale services/solutions hosted on Cloud and On-premise technologies. Experience working closely with Software Engineering, especially in the aspects of system performance, capacity management and scalability to ensure sustained service stability & Business KPI's.

## Skills & Expertise

### Software Development Life Cycle

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

### Specialization

Full Stack Web Development  
Android Application Development

### Architectures and Principles

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

### Programming languages

C#, JAVA, Typescript, C/C++

### Web Technologies

ASP.Net Core/MVC, EF/EF Core, React, Redux, Webpack, jQuery, CodeIgniter (Php), Syncfusion, DataTable, HTML5, CSS3

### Data Management

MS SQL Server, MySQL, SQLite, Azure SQL DB, SSIS, SSRS, SSDDT

### Cloud

Azure (App Services, VM, SQL Database),  
CI/CD : GitHub Actions, Azure DevOps

### Machine Learning

Computer Vision using OpenCV & JAVACV

### Framework & Library

Android Room, Retrofit, JavaFX, OpenCV, LINQ, Entity Framework, AutoMapper, Select2

### Reporting

Crystal Report, RDLC Report

### Other

Parallel Processing & Concurrency in C#, Generic, Dependency Injection, Reflections

## 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 Datatables

#### 2. Sales & Marketing Activities for Pharmaceuticals Industry

Project containing various sales & marketing automations module creating efficient workflow & effective data tracking & sharing by removing bottlenecks.

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

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

**YouTube Demo :** <https://www.youtube.com/watch?v=VVlrRC3KttA&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 Bangladesh.

**Playstore:** <https://play.google.com/store/apps/details?id=com.brosoft.vara123>

#### 2. BCAS

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, Devops, IoT , Blockchain , Automation

2. Cosmology, Science, Travelling, Reading Books

3. History, Ancient Civilizations

4. Sports: Cricket, Chess, Football, Pool

## Educational Details

### Bachelor of Computer Applications (BCA)

Lovely Professional University, Punjab, India

2014-2017

CGPA: 7.7 out of 10

### Higher Secondary Certificate (HSC)

FM International College, Dhaka

2009-2011

GPA: 4.70 out of 5.0

### Secondary School Certificate (SSC)

Mirpur Siddhanta High School, Dhaka

2007- 2009

GPA: 4.69 out of 5.0

## Personal Information

**Father's Name** : Kartik Chandra Sarkar

**Mother's Name** : Anta Rani Sarkar

**Permanent Address** : 110/B, Coatbari, Darus Salam, Mirpur-1, Dhaka

**Date of Birth** : 13th July 1993

**Nationality** : Bangladeshi

**Gender** : Male

**National ID** : 19932694809000112

**Marital Status** : Unmarried

## 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)