# **Partho Protim**

# Software Engineer

(Nov,2023-Dec,2023)

(2020-2023)

(2022-present)



# **Career Objective**

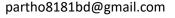
**Programmer** 

An agile and passionate coder having excellent communication skills. Looking for an organization that can exploit my utmost calibre, thereby achieve its goals and widen my scope to grow as a dexterous software engineer.

### Contact

# +8801811971069







Mirpur 13, Dhaka



Linkedin Profile



Github Repositories



Stackoverflow Profile

# Freelance Developer

Bug fixes

CT Health - Mirpur DOHS

**Professional Experience** 

Various clients (Local as well as global)

> Performance optimization

# **Personal Software Service**

I am running two software services in my own venture

Adding/customizing features in existing applications

# **Some Projects**

### **Google Drive Merge** (*Spring Boot, React JS, PostgreSQL*)

If a user possesses 10 gmail accounts, he has total 15\*10=150 GB cloud storage for free. But managing 10 different accounts is insane! This web application creates a technique that virtually merges all accounts into one single account.

### Payment Verification (android)

I devised an free alternative to bKash payment verification API. It's an android app which captures incoming SMS sent from bKash and immediately processes the data using Java Regex. Thus user gets a seamless experience.

### **Vocabulary Preparation App** (android)

Published in play store. Paid app. Feature rich mobile app (both free/paid version) to hone vocabulary knowledge. Extra features are provided using external website. Language: Java. An encrypted sqlite database is shipped with app.

### Web Crawler (Java)

I wrote a number of scripts using Java to collect data from various websites.

### News Headlines Crawler (Java)

Collects all the headlines from 4 newspapers. A HTML page is created as showing in the screenshot attached below. That page is just a list of headlines. So that user can skim through all the headlines and read only desired news. Reading this way s/he can read all important news of the day from 4 newspapers in significantly less amount of time.

### Education

Electrical & Electronic Engineering University of Dhaka Passing Year: 2020 CGPA: 2.82

# Hands-on Experience In

Java | Spring Boot | React JS PostgreSQL | MySQL | Firebase AWS | NodeJS PHP | Laravel | JavaScript HTML, CSS, Bootstrap | jQuery CentOS/Ubuntu | Apache, Nginx | Git Integrating a lot of APIs & libraries



### Contest

(2017)

Runner up in A2i app contest

(2018)

Participated in UAP project presentation

### Yoga Instructor App

To help practice some yoga with proper timing. Also slides images of yoga stances with time.

### DLP exam system of BNDR

Partial contribution. Added/modified features in Distance Learning Program and online exam system for Bangladesh Nationwide Diabetic Registry. Optimized performance, added some database tables, performed some database query etc.

#### E-commerce

E-commerce to sell books. A fully fledged e-commerce with all general features. Also digital copy of a book can be downloaded if available.

### Web Application for Processing Vocabulary Data

Feature rich web application to process a lot of raw data about vocabulary I developed a web application which includes many editable fields for each word. Some fields have rich text editor. Finally the processed data is exported in .json format

### **Blood Group Searching Website**

A blood group searching platform developed for Dhaka University Badhan (JN hall). Details profile of every member. Used raw php (OOP).

#### Education based social media

Users can search or create communities based on their institute/department name. Any user can invite members through links, similar to Google Classroom. Members receive email notifications for posted content. Users can create directories, upload files, and share links like Google Drive. A C# desktop app syncs local files. Teachers gain admin privileges in communities. All files are stored on Amazon S3. Developed with Laravel, jQuery, MySQL

### Expertise As A Service

Video conference managing platform for Dhaka University Distance Learning Theatre program. Contributed as a developer.

### Bangladesh Electronics Olympiad

Added and customized some features. Modified database, wrote some database query to improve functionality.

### **Enlightened Farmer**

Weather forecasting system for village farmers so that they can take precautionary steps against forthcoming adverse weather condition. Used weather underground API to get 7 days weather data. Then scrapped their website to grab 15 days weather data. Integrated SMS API to automatically send forecast via SMS.

#### App for Facebook Platform

Developed 2 fun apps for facebook platform. Also another app that queries database and posts processed text with image (image is created using php) to facebook page using Graph API