



**KAIKOBUD SARKAR**

779 East Merul, Road no 32, Merul Badda, Dhaka /

Bangladesh | +88 01712 06 04 88

kaikobudsarker@gmail.com

[github](#) | [linkedin](#)

## SUMMARY

I have been very passionate about computers and programming since my university life. I used to dream, to be an expert software engineer so that I can build professional and useful software that has business value. So Now, in industry, that passion remains with me and working as a Software Engineer.

## EXPERIENCES

### **CRAFTSMEN LTD.** | Software Development Engineer II

*December 2021 - Present / Bangladesh*

- Skilled in AWS services such as Lambda, S3, EC2, VPC, Secret Manager, Cognito, WAF, CloudFront, CloudFormation, API Gateway, and Step Function to design and implement scalable, secure, and efficient systems.
- Proficient in working with Amazon Web Services (AWS) media services, such as MediaLive for video processing, MediaConnect for reliable and secure live video transmission, and IAM for managing permissions.
- Proficient in video processing servers, including receiving live video streams from different sources, processing them, and transporting them to AWS.
- Experienced in deploying AWS infrastructure using Terraform, ensuring infrastructure as code.
- Experienced in working with AWS notification and alert services, such as SNS, SQS, AWS budget service, and AWS Chatbot service.
- Skilled in using CloudWatch to capture logs, monitor system performance, and perform investigations.
- Experienced in working with TAG Video Systems for Multi viewing, Probing and Monitoring live content.
- Experienced in building and maintaining Continuous Integration/Continuous Deployment (CI/CD) pipelines using Jenkins, enabling efficient and reliable software delivery to production environments.

### **LEADBOOK PTE. LTD.** | Software Engineer

*December 2020 - November 2021 / Bangladesh*

- Designed and Developed API using python to verify and get valid emails which helped us to increase the overall accuracy of the number of valid emails.
- Worked on one of the existing data mapping module which has significantly increased the quality of data.
- Implemented scripts to send various data processing alerts on google chat which help us to identify any issues immediately on data processing.
- Monitoring data processing status through MongoDB collections to identify any issues and perform necessary action.
- Working on multiple client projects to prepare and deliver datasets based on their requirements.

### **FIELD INFORMATION SOLUTIONS GMBH** | Junior Software Engineer

*May 2019 - November 2020 / Bangladesh*

- Built modern applications with Python, Django, PostgreSQL for small businesses to manage their field operations and distribution.
- Wrote Python scripts to parse excel documents and load data in the database.
- Working with team lead to implement API features, perform code maintenance and bug fixes.
- Handling development and management of front end user interfaces with help of HTML, CSS and JavaScript.
- Managing continuous maintenance and troubleshooting of existing Python Django projects.
- Worked in a team to build highly available and secure SaaS application using Django which is being used by many organizations worldwide.

### **ST SOLUTIONS INTERNATIONAL LLC** | ERPNext Developer

*Nov 2018 - April 2019 / Bangladesh*

- Built a service application on Frappe framework from scratch as per project requirements.
- Designed and developed two critical ERP software programs for Customer-relationship management and Service using ERPNext.

## SKILLS

---

<b>PROGRAMMING LANGUAGES</b>	Python, Java, JavaScript, C, C++, SQL, LaTeX
<b>FRAMEWORKS &amp; LIBRARIES</b>	Django, Django REST framework, Flask, React, Vue.js
<b>DATABASES</b>	MySQL, PostgreSQL, MongoDB, Elasticsearch
<b>DATA PROCESSING</b>	Kafka, Celery, Redis
<b>CLOUD SERVICES(AWS)</b>	IAM, Lambda, EC2, S3, DynamoDB, VPC, MediaConnect, MediaLive, CloudFormation, CloudFront, API Gateway, Step Functions, SNS, SQS, Budgets, Chatbot, CloudWatch
<b>VERSION CONTROL</b>	GIT, GitHub, BitBucket
<b>AUTOMATION/BUILD:</b>	Docker, Ansible, Jenkins
<b>SOFTWARE AND TOOLS</b>	Pycharm, VSCode, Postman
<b>OPERATING SYSTEM</b>	Linux, macOS, Windows

## PROJECTS

---

### ONLINE EXAMINATION SYSTEM [\[GITHUB\]](#)

- This system aims at reducing costs associated with conducting exams over a period of time.
- Achieved total automation of examination system-related tasks like registration, publication of results etc.

**TECHNOLOGY:PYTHON, DJANGO, JAVASCRIPT, SQLITE**

### E-COMMERCE SITE FOR ONLINE SHOPPING [\[GITHUB\]](#)

- Any member can register, view and purchase available products.
- Admin can add/remove products, edit product information.
- A fully functional E-Commerce website including integrated Payment Gateway.

**TECHNOLOGY:PYTHON, DJANGO, JQUERY, SQLITE**

### VIRTUAL RECIPE BOX API [\[GITHUB\]](#)

- Designed and developed a virtual recipe box Rest API where we can organize our favourite recipes by title, ingredients, cooking duration, tags, and images.
- A fully functioning Rest API that also handles authentication, uploading images using test driven development.

**TECHNOLOGY:PYTHON, DJANGO, DJANGO REST FRAMEWORK, DOCKER, TRAVIS CI ,POSTGRESQL**

### MOVIE SEAT BOOKING APP [\[GITHUB\]](#)

- Designed and developed a User Interface for booking seats for a movie where we can select movie, pick available seats and showing total price based on selected movie and number of seats.
- Implemented local storage to store selected movie and seats.

**TECHNOLOGY:HTML, CSS, JAVASCRIPT**

### EXPENSE TRACKER APP [\[GITHUB\]](#)

- Designed and developed a User Interface for Tracking Expenses where we'll be able to track our income and expenses and see our total balance.
- Used JavaScript local storage functionality to save related data.

**TECHNOLOGY:HTML, CSS, JAVASCRIPT**

## EDUCATION

---

### NOAKHALI SCIENCE AND TECHNOLOGY UNIVERSITY,BANGLADESH

2014 - 2018

B.SC. IN COMPUTER SCIENCE & TELECOMMUNICATION ENGINEERING

- CGPA: 3.19 out of 4.00

## ACHIEVEMENTS AND EXTRA CURRICULAR ACTIVITIES

---

- 3rd place at CSTE carnival'16 Programming Contest,NSTU.
- Solved 37 problems in LightOJ Online Judge.
- Solved various python problems through Hackerrank and earned golden badge.
- Earned a [Certificate](#) for completing Complete Python Bootcamp course on Udemy.
- Exam Invigilator at National High School Programming contest,2016.