

PHILIMON NAG

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Professional Experience

Appstone
Associate Software Developer

Remote
July 2022 - Current

- Currently contributing to an ESG product by designing worker applications using **FastAPI** and **Celery** for handling long-running tasks.
- Implemented features such as embedding PDF , HTML, EXCEL files into **ChromaDB** and utilizing **RAG**, **Langchain** and **LLM** for chat functionality.
- Create Api for data extraction from Excel files using **Pandas** , enabling seamless data processing.
- Utilized AWS S3 bucket for storing PDF and Excel files , enabling secure storage and efficient access.
- Utilized **Node.js** to develop robust backend systems.
- Implemented **MongoDB** , **PostgreSQL** and **Elasticsearch** for efficient data storage and retrieval.
- Implemented a **RabbitMQ** for messaging and task queueing,ensuring seamless communication between components.
- Enhanced payment and subscription model by integrating **Razorpay** subscription services.
- Implemented **Cube.js** schema for data visualization utilizing PostgreSQL and Elasticsearch as data sources.
- Writing automation scripts using **Python**.
- Developed the Android app frontend for Dr.Signet MR app using **Kotlin** and **XML**.
- Implemented the **MVVM**(Model-View-ViewModel) architecture pattern for clean and organized code structure.

PROJECTS:

1. AI Software Developer:

Description: Utilized **OpenAI API** to automate project creation based on user **prompts**

Features:

- Automatically creates files and folders based on user prompt
- Builds the project and opens it in a browser for easy access.

Link: [ai software developer](#)

2. SSC MOCK:

Description: An educational MCQ Test app designed to help students prepare for SSC exams.

Technologies Used:

Backend: Node.js, Apollo GraphQL, MongoDB

Frontend: Flutter, Dart , Bloc , Cubit

Features:

- MCQ Test functionality.
- Authentication and Authorization for secure access.
- Integration with Firebase Crash Analytics for error monitoring.
- In-App Update feature for seamless app updates.
- User result charts for performance tracking
- Attendance calendar for scheduling and tracking study session
- Dark and night Mode for enhanced user experience.

Play Store Link: [ssc mock](#)

3. **Bible Verse Wallpaper App :**

Description: A wallpaper app designed to provide personalized Bible verse wallpapers.

Technologies Used:

Backend: Nodejs, MongoDB

Frontend: Flutter , Dart , Bloc, Cubit , Hive Database.

Features:

- Setting mobile wallpapers with bible verses
- Image caching for faster loading times

Play Store Link: [bible verse wallpaper](#)

4. **Virtual Piano :**

Description: A virtual piano project built using python, cv2, cvzone and mediapipe.

Features: Users can play the piano using fingers to select keys.

Link : [virtual piano](#)

5. **Virtual Drum :**

Description : A virtual drum project built using python , cv2 , cvzone and mediapipe.

Feature : Users can play drums using their fingers.

Link : [virtual drum](#)

SKILL :

- **Languages:** Python , JavaScript , Dart , Kotlin , Java , Golang
- **Libraries & Frameworks:** React.js , Express.js , Node.js , Flutter , Langchain
- **Databases:** MongoDB , Elasticsearch , PostgreSQL , ChromaDB

Education :

CIPET-IPT, BHUBANESWAR

Bachelor of Technology, Manufacturing Engineering and Technology

2017 - 2020