

# EDEM, FROILLAN KIM B.

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## PROFILE

Aspiring Software Engineer passionate about developing AI-driven and cloud-native applications. Hands-on experience building full-stack systems and deploying production-grade services using FastAPI, .NET, Flask, and Google Cloud Run. Driven by curiosity and innovation, with strong interests in backend engineering, DevOps, and applied AI.

## EDUCATION

### UNIVERSITY OF CEBU - MAIN

Bachelor of Science in Information Technology

Sanciangko St., Cebu City

Expected 2026

### DON SERGIO OSMEÑA SR. MEMORIAL NATIONAL HIGH SCHOOL

GAS (General Academic Strand)

Bliss, Labangon, Cebu City

Jul 2020 - May 2022

## PROJECTS

### FaceofMind – AI-Powered Mental Health Platform

- Built a full-stack multi-service application to promote mental well-being through real-time emotion detection, AI conversation, and psychologist integration.
- Designed microservices using **FastAPI, Flask, and .NET**, deployed via **Google Cloud Run** with **CI/CD automation (GitHub Actions)**.
- Integrated **Gemini AI** and **AWS Rekognition** for facial and voice emotion analysis.
- Implemented **Firebase payments and real-time data, Redis caching and analytics**, and **PostgreSQL storage** via Neon DB.

### Developed three front-end applications:

- Flutter mobile app for users (emotion tracking, games, journaling).
- React admin dashboard (for analytics, error monitoring, user management).
- .NET psychologist portal (for patient booking and QR access).
- Configured webhook-based alerting and BigQuery exports for cloud billing and system performance analytics.

### Tech Stack

- Frontend: Flutter · React · Tailwind CSS
- Backend: FastAPI · Flask · .NET
- Databases & Storage: PostgreSQL · Firebase · Redis · Firestore
- Cloud & DevOps: Google Cloud Run · Docker · GitHub Actions · Upstash Redis · Custom Redis Setup on Virtual Machine
- AI / APIs: Gemini AI · AWS Rekognition · Google Maps API · Discord Webhooks

## SKILLS & INTERESTS

**Technical Skills:** Proficient in Python, TypeScript, JavaScript, Dart, and C#, with experience in frontend development using React, Flutter, Angular, HTML5, and CSS3, and backend frameworks such as Django, Flask, FastAPI, Express.js, and .NET; skilled in managing databases like PostgreSQL, MySQL, SQLite, Firestore, and Redis; knowledgeable in cloud and DevOps technologies including AWS, Google Cloud, Azure, Kubernetes, Docker, and Git, and familiar with the Firebase ecosystem Firebase, Auth, Firebase Cloud Messaging, and Cloud Functions.