

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.