Genio Brylle C. Viernes

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SOFTWARE_ENGINEERING

functional and object-oriented programming

I employ a hybrid of the two: pragmatic FP with composition-based OOP.

domain-driven design

I use algebraic data types for domain modeling.

concurrency

Familiar with async-await (TypeScript) and coroutines (Kotlin).

FRAMEWORKS

Svelte & SvelteKit

Reactive Stores, RESTful APIs, Websockets, Server-sent Events

Android

MVVM, MVI, SQLDelight, Jetpack Compose, Hilt

Embedded & Embedded GUI

SerialPort (Node.js), pySerial and Kivy (Python), TotalCross (Java)

PROGRAMMING_LANGUAGES

TypeScript, Kotlin, Java, Python

GENERAL_SKILLS

web

HTML, CSS, JavaScript

databases

SQLite, Couchbase Lite, peewee ORM

dev tools

Android Studio, VS Code, git, LaTeX

EXPERIENCE

DOST - ASTI: Aug 2020 - present

Android, embedded GUI, and full-stack developer.

EDUCATION

University of the Philippines Diliman

MS Computer Science: Feb 2023 - present

University of the Philippines Diliman

BS Civil Engineering: graduated 2020