

# Colston Bod-oy

Baguio City, Philippines

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🔗 https://my-portfolio-inky-three.vercel.app/

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## Experience

### Para Po!

Baguio, PH

Chief Technology Officer / Lead Android Developer

December 2023 – Present

- Became the CTO and sole developer for one of the startups in our university's incubator program, which provides information about all the jeepney (a public utility vehicle in the Philippines) terminals, fares, and routes in Baguio, using the APIs and SDKs of Mapbox.
- Single-handedly developed the MVP of the app, from design and prototyping in Figma to the implementation of the front-end and back-end, allowing our team to be placed as one of the finalists to participate in the regional pitching event on August 20, 2024.
- Implemented the navigation system, where navigation data to reach a jeepney terminal is requested from the Mapbox Directions API. Handled and organized over 100+ jeepney terminals and routes of GeoJSON data, displaying the routes on the map when their appropriate terminal was clicked, using the Mapbox Map Matching API to generate clean paths based on the route coordinates data.
- Used optimization techniques, such as implementing a RecyclerView and RecyclerViewAdapter to dynamically display a data card for the selected jeepney terminal while also having a smooth scrolling effect for each of the data cards.
- Implemented the search feature of our app using the Mapbox Search SDK for the geocoding and reverse geocoding of the searched places.
- Implemented the profile customization feature of our app by creating an updated sticker view module based on old StickerView libraries on GitHub. This module utilizes Android graphics matrices and view motion events to allow users to customize their jeepney avatar with stickers that can be rotated and resized.
- Implemented the authentication and back-end using Firebase to enable one-tap sign-in with Google accounts and to store profile data, such as profile pictures and avatars, using Firebase Storage.

### Poblacion.ph

Makati, PH

Software Engineer Intern

September 2021 – May 2022

- Worked as an intern for a startup e-commerce company that utilized CS-Cart for its development, performing various roles including web development for implementing the call-to-action (CTA) of our online marketplace, which increased our conversion rate by 20%.
- Served as the mobile developer for customizing the provided CS-Cart Multi-Vendor React Native app to fit our branding, which allowed us to successfully launch our marketplace on the Google Play Store and Apple App Store.
- Handled the site's administration panel and MySQL database while also streamlining the process of syncing our local changes to the remote repository and production using GitHub Actions, which ensured that we maintained consistent versions of our database across local setups, resulting in a 40% increase in development productivity.

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## Skills

**Languages:** Java, Kotlin, JavaScript, TypeScript, Python, SQL, PHP

**Software:** Figma, Atlassian (Jira, Confluence), Linear, Slack

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## Education

University of the Cordilleras

Baguio, PH

B.S. Computer Science

August 2022 – Present

**Thesis Project:** Helpmate, a mobile app designed to facilitate communication during disasters using Bluetooth Low Energy (BLE). It features both text and audio sending capabilities.