

Usukhbayar Batbayar

Software Engineer

unobatbayar@protonmail.com Hamamatsu, Shizuoka, Japan <https://unobatbayar.github.io/>



Summary

Software engineer specializing in mobile development, with experience in both frontend and backend technologies. Fast learner who adapts quickly and thrives in dynamic environments.

Experience

Yamaha Corporation

Software Engineer

Feb 2021 - Jan 2026

- Contributed to the development of the [SEQTRAK](#) application in Unity (supporting iOS/macOS/Android/Windows), integrating with musical hardware. Responsibilities included implementing the GUI, effect graphs, plugin development, and server/API connections over a two-year period.
- Maintained and improved the [Rec'n'Share](#) iOS/Android app, boosting performance by 47% through a redesigned song loading algorithm and resolving critical crashes. Enhanced user experience and ratings via feedback-driven fixes and new features. Integrated a sound division library to extend app functionality.
- Developed and implemented the GUI components for the [Expanded SoftSynth](#) VST plugin in C++ for the MONTAGE M synthesizer, contributing to both version 1.0 and 2.0 releases.
- Developed and maintained full-stack web applications and mobile applications. (Lux, Metrica, Fermata)

MCS Group

Software Engineer

Oct 2019 - Jan 2021

- Contributed to Android development and successful launch of fintech application [Simple](#).
- Refactored and debugged code for readability and efficiency.
- Developed backend APIs using Spring Boot.

Yamaha Corporation

Software Engineer Intern

Jun 2018 - Aug 2018

- Added a Transpose function for [Soundmondo](#) app using C# and Xamarin.
- Developed automated testing tool leveraging iOS, SwitchBot, and IFTTT for [MONTAGE M](#).

Objective

To leverage my technical skills to build efficient, scalable solutions while continuously growing my expertise in a collaborative team environment.

Languages

C# Java C++ Python

TypeScript SQL Swift

Technologies

Algorithms Data Structures Mobile

Web Backend ORM

Frameworks & Libraries

NextJS FastAPI SwiftUI

Tools

Cursor Xcode Unity 3D Docker

Android Studio

Education

BSc with Hons - Computer Science with Business Management

Queen Mary University of London

Sep 2016 - May 2020

Volunteering

Tokyo Pride 2025

Volunteer

Jun 2025 -Jun 2025

Volunteered at Tokyo Pride 2025, assisting at the Yamaha Corporation booth.