


# Usukhbayar Batbayar

## Software Engineer

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## 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.