

Education

- **Master of Physics. Computational physics**, Nagoya Institute of Technology, Japan. **Apr 2020-Mar 2022**
- **Bachelor of Physics. Computational physics**, Nagoya Institute of Technology, Japan. **Apr 2016-Mar 2020**

Work Experience

Mid Software Engineer **Papyrus GmbH** **Oct 2024-Present**
Payments team Düsseldorf, Germany

- I replaced an old native iOS/Android application with **Kotlin Multiplatform**, integrating **CI/CD** and **fastlane**. This migration reduced the codebase by 30% and improved the Google Play Store crash ratio from 10% to 0.5%.
- I migrated an old native application to **React Native**, implementing a **CI/CD** and **fastlane** pipeline with **Cursor**. This initiative significantly improved the efficiency of creating documentation and UI boilerplate.

Mid Software Engineer **miracleave** **Mar 2023-Sep 2024**
Software development team Tokyo, Japan

- As a project lead, I led the development and delivery of a live casting application using **Flutter**, **Kotlin**, and **Swift**. I established a robust **CI/CD** pipeline to streamline the project's workflow.
- I developed a cross-platform video creation library for **Flutter**, utilizing **Kotlin** with **ExoPlayer** and **Swift** with **AVFoundation**. This library was a core component of the live casting application.
- I created a **Python** utility software that automates the management of working hours for 30 employees. This single-script solution has saved the company approximately 30 hours of manual work per month.

Software Engineer **YAMAHA Corporation** **Apr 2022-Mar 2023**
Hamamatsu, Japan

- Reduced **three critical bugs** in a router as an embedded engineer using **Clang**.

Android / iOS Engineer (part time) **Ibis** **Feb 2021-Mar 2022**
Nagoya, Japan

- Developed a new feature for the **ibisPaint** mobile application using **C++** and **Java**, resulting in over **1K impressions** on X.

Web Application Engineer **Freelance** **May 2023-Present**

- Negotiated with a customer and designed a simple website from scratch using **React**. (<https://hamamatsu-nakaze-dental.com/>)
- Negotiated with a customer and designed a simple website from scratch using **Next.js**. (<https://okazaki-iwasedc.com/>)

Technologies and Languages

- Languages: Dart, Swift, Kotlin, Python, Typescript/Javascript
- Technologies: Flutter, Kotlin Multiplatform, React, React Native, Next.js, Git

Other Projects

- **Portfolio** - <https://portfolio-2-vercel.vercel.app/>
- **Medium** - <https://medium.com/@kworkshere/>