

Kohei Hiraga (Kohei Ueno)

Senior Software Engineer at LY Corporation / Node.js Core Collaborator

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As a Senior Software Engineer with five years of experience at LY Corporation, I specialize in developing web applications and the JavaScript SDK for the MINI App platform with a daily active user base of 50 million. My expertise in JavaScript and Web technology is further demonstrated through significant contributions to open-source projects including Node.js and WebKit.

Experience

LY Corporation **Senior Software Engineer** **Tokyo, Japan** **April 2023 - Present**

- As a tech lead, led a team of 4 Front-End developers and Collaborated with over 15 people (3 project managers, 4 quality assurances, 2 UX designers, and 8 developers from other teams) to build a MINI App platform called LINE Front-End Framework (LIFF) and its authentication infrastructure, which handles 50 million daily active users.
- Led the development of the JavaScript SDK of the LIFF platform, enabling developers to create web apps as a MINI app on the LINE app, a messenger service operated by LY Corporation with over 150 million daily active users. [Link to my presentation on LIFF and developer experience](#).
- Initiated and led the development of devtools and CLI tools for LIFF, which facilitate debugging, automate tasks, and improve app integration, enhancing the overall quality of LIFF apps and fostering a developer community. [Link to my talk on DevTools architecture at JSConf JP 2021](#).

LY Corporation **Software Engineer** **Tokyo, Japan** **July 2019 - April 2023**

- Participated in a panel discussion about the sustainability of open-source software, providing insights from the perspective of a major open-source (Node.js) maintainer. [YouTube Link](#).
- Developed UI components specialized for the LIFF platform using Web Components technology.
- Developed SPA-based web apps for browsers and LIFF using React and Vue.js, optimizing performance for a smooth experience across all devices, including lower-end models.

Node.js Project **Core Collaborator** **Remote** **August 2022 - Present**

- Submitted over 40 pull requests to implement new features and fix bugs with a particular focus on the `node:inspector` module with my interest and expertise in debugging methodology.
- Mentored individuals interested in Node.js and open-source contributions. Facilitated pair programming and code review to enable their active contributions and hands-on experience in open-source contribution. [Link to LINE Open Source Sprint 2023 report - LINE Engineering](#).

WebKit **Individual Contributor** **Remote** **September 2023 - Present**

- Submitted over 15 patches, primarily focused on the WebVTT area, leading to a substantial improvement in WebVTT API compatibility from 88.98% to 96.61%. [Link to my patch list](#).

Education

Tokyo Institute of Technology Bachelor's degree, Computer Science **April 2015 - March 2019**

Proficiencies

Languages: Japanese (Native), English (Fluent), JavaScript, TypeScript, C, C++, HTML, CSS