**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 tens of millions. 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 tens of millions 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](https://speakerdeck.com/line_devday2021/for-improvement-of-developer-experience-of-all-liff-app-developers).
* 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](https://speakerdeck.com/cola119/universal-devtools-for-all-environments).

**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](https://www.youtube.com/watch?v=WegJX-i55dc).
* 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](https://engineering.linecorp.com/en/blog/line-open-source-sprint-2023-recap).

**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](https://github.com/WebKit/WebKit/pulls?q=is%3Apr+author%3Acola119).

**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