Kohei Ueno (Kohei Hiraga)

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 SDKs for the widely-used MINI App platform in Asia. My expertise in JavaScript and Web technology is further demonstrated through significant contributions to open-source projects like 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.
- Developed the JavaScript SDK of the LIFF platform, enabling developers to create web apps on the LINE app, a messenger service operated by LY Corporation with over 150 million daily active users. Link to my talk at the conference by LYCorp about LIFF and developer experience.
- Designed and Developed devtools and CLI tools to enhance the LIFF developer experience. Link to my talk at JSConf JP 2021 about DevTools architecture.

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 web apps for browsers and the LINE app using SPA frameworks such as React and Vue.js. Focused on optimizing web app performance to ensure a seamless user experience on the LINE app, even for users with non-high-end devices.

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