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.

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

As a tech lead, I led a team of 4 Front-End developers and collaborated with over 15 people to build a MINI App platform called LINE Front-End Framework (LIFF) and its authentication infrastructure. The following experiences highlight my leadership and ability to identify innovative solutions and navigate uncertainties in complex project environments where traditional methods are ineffective.

- Led the LIFF Inspector project, a dedicated devtools for the MINI App platform. Responsibilities included problem identification, setting project objectives, drafting design docs, facilitating consensus-driven discussions, and overseeing the development process. This project not only improved the productivity and quality of LIFF apps but also fostered a developer community.
- Initiated the development of CLI tools (LIFF CLI) for the MINI App platform to streamline debugging, automate tasks, and enhance app integration.
- Fostered a culture of quality and growth by leading code reviews, facilitating technical discussions, encouraging collaboration, and delegating growth-promoting tasks, while fostering cross-functional collaboration to boost overall project success.
- Established a task management strategy and defined a maintenance policy for open source software to effectively prioritize and progress key SDK feature development, which maximizes team output and customer satisfaction under limited resources.

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

- Achieved a two-fold increase in page views by leveraging WebComponents to efficiently produce and customize service-oriented landing pages.
- 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 (Maintainer)**   Remote **August 2022 - Present**

- Played a pivotal role in the maintenance and enhancement of the `repl`, `debugger`, and `inspector` modules. My responsibilities included initiating new features, investigating and fixing bugs, conducting code reviews, and fostering engagement among new contributors.
- Mentored individuals interested in Node.js and open-source contributions, facilitating pair programming and code review to enable their active contributions and hands-on experience.

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