Tio Taek Lim

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Javascript/Typescript
React, Vue, Node, RxJS
Java, Spring, SQL, AWS, Git
Korean (Native), English

Education

Online Master of Science in Computer Science   Class of 2026
- Computer Science B.S.

University of California, Los Angeles, USA   Class of 2013
- Mathematics-Economics B.S.   3.56/4.0

Work Experience

Frontend Engineer, *Adriel*   Seoul, Korea, Nov 2021 – Current

Developing AdTech SaaS dashboard solutions using **Javascript**, **Typescript, Vue, React** for a **Series B startup**.
- Led the refactoring of **a device-responsive** template list page for the new user onboarding process.
  - Designed a template-adding feature into the back office, reducing communication const by **90%**.
  - Improved UI performance by **40%** with **Web Workers**.
- Designed, developed an editable dashboard snapshot system using **RxJS**, and reduced the size stored by **90%**.
- Developed a PDF landscape/portrait export feature for a customizable dashboard report using **React**.
  - Created **layout-converting algorithms** for switching between report and dashboard mode with unit test.
- Led the migration of the dashboard service from **Vue** to **React** with **Next.js**, reduced frontend loading by **50%**.
  - Participated in the evaluation and selection of the new tech stack, contributing insights.
  - Analyzed previous state management system and migrated **VueX** store to **Redux** and **Jotai**.
  - Implemented **React Query** to optimize API requests and enhance data fetching capabilities.
  - Created a predictable system and optimized event handling and state propagation by utilizing **RxJS**.
- Designed and developed a text editor widget using WYSIWYG **Quill** library.
- Led **React Native** mobile web, iOS, and Android app development, focused on screen flows, deep linking, and **webpack** configuration.
- Reduced technical assistance time by **50%** by improving documentation of frontend setup, business logic flows with draw.io, and terminology.

Software Engineer, *DIV*   Jeju, Korea, May 2021 – Nov 2021
- Led frontend and backend development for a new flight ticket reservation system using **Javascript**, **PHP**, Twig, Slim2, and jQuery, reduced brokerage fee by **20%**.
- Implemented a hotel reservation system by integrating Expedia's hotel reservation API on a cross-platform application (web/iOS/Android) using **JavaScript** and **Framework7**, increased revenue by **5%**.

Software Engineer, *Babeltop*   Seoul, Korea, July 2019 – Nov 2019
- Developed translator approval, sign-in, and registration with **Javascript, React, Redux and Redux-saga**.

Backend Engineer, *Recobell*   Seoul, Korea, Feb 2018 – July 2019

Engineered and enhanced a cloud-based recommendation system using **Java**, **Spring**, **SQL**, and **AWS**, collecting and processing an average of 500 million user logs monthly from client web and mobile services.
- Maintained **Javascript** based logger SDK, **AWS Kinesis** based data collector, **SQL**-based recommendation engine and REST API server using Java, Javascript and AWS.
- Created APIs for a keyword-based book recommendation service for Kyobo Book Centre, extracting insights from book metadata using Eunjeon morphism analysis library and user logs from its service, using **Java**, **Spring Boot**, MySQL, MyBatis, AWS Cloud, Shell script, and jQuery.

Certificates / License / Etc

SQL Developer Certificate, Korea Data Agency   July 7, 2023
Algo Expert, Certificate of Completion 100 questions, AlgoExpert   Oct 2, 2022
Seoul National University Big Data Academy AI Workshop, SNU   2019, 2018
CS Engineer Information Processing License, HRDK   Nov 16, 2018
Java, Spring web development boot camp, KITRI   Mar 2017 – August 2017