

Timothy Chapin – Web Engineer

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I am a Full-Stack Developer currently based in Tokyo working to create fun and interactive games for students looking to learn a second language. Currently I am looking to join a small to mid-sized team as a Rails back-end developer to help create proprietary projects.

WEB PROJECTS

Teach Tokyo

www.teachtokyo.com

Designed and developed a map-based quiz strategy game as in classroom warmup before lessons.

- Implemented an SVG map of Japan through JavaScript enabling users to conquer different prefectures.
- Full bilingual support for English and Japanese using the i18n library.
- Wrote a custom route to handle a multi-item select delete method for saved games.

Frontend : HTML, CSS, JavaScript; **Back-end** : Ruby on Rails; **Server** : Heroku

Tokyo Maps

[Demonstration](#)

Developed a user-friendly, interactive map of Tokyo's 23 wards to help expats relocate to Tokyo.

- Created an interactive map using MapBox API along with public geolocation data of Tokyo.
- Collected and normalized rent, safety, number of international school data with a custom function.
- Used a custom color scaling function based on data to display each category through a filter option.

Frontend : HTML, CSS, JavaScript, MapBox; **Back-end** : Ruby on Rails; **Server** : Heroku

SKILLS

Frontend	Backend	Tools
HTML, CSS, JavaScript, jQuery, Sass, Bootstrap	Ruby on Rails, PostgreSQL, MySQL, MongoDB	GitHub, MapBox API, Figma

EDUCATION

Le Wagon

September 2022–March 2023

Full Stack Web Development

Tokyo

Michigan State University

August 2018 – May 2020

BS, Japanese Language Studies

Michigan

WORK EXPERIENCE

Roppongi High School

Nov. 2021 – Present

Assistant Language Teacher

Tokyo

- Created quizzes, speaking activities, warm-up exercises, and presentations to enhance students' language learning experience with English and Japanese.
- Effectively collaborated with Japanese colleagues on day to day tasks and operations.

LANGUAGES

English – Native, Japanese – Conversational Level