




# Gabe Goodman

## Software Engineer Tokyo, Japan

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### Technical Skills

**Languages & Frameworks:** JavaScript, React, Vue.js **Backend:** Node.js, Express

**Databases:** GraphQL, REST, PostgreSQL, MySQL **Cloud Services:** Firebase, MongoDB, Amazon RDS

### Projects

**E-Mina – Pop Culture Tourism App**, [github.com/YACT-jp/E-Mina-mobile-frontend](https://github.com/YACT-jp/E-Mina-mobile-frontend)

*Mobile application for searching and sharing real-life locations from Japanese pop culture*

- Led frontend development effort for key features including photo upload, gallery navigation
- Implemented user authentication and account creation using MongoDB Realm cloud services
- Researched & integrated mobile feature libraries such as React Navigation, React Native Maps
- Leveraged frontend frameworks to efficiently rapid-prototype component layout, functionality
- Facilitated communication with backend engineers regarding API endpoints, database structure

**Festival Finder – Interactive Map**, [github.com/Gabe-Goodman/Festival-Finder](https://github.com/Gabe-Goodman/Festival-Finder)

*Responsive web application guiding users to participating shops for community events*

- Designed feature-rich, full stack SPA using modular components, Firebase, React Google Maps
- Deployed full stack application using Firebase Hosting, continuous deployment using Netlify
- Executed preliminary user testing, relayed results to stakeholders during informal meetings

**My Media Library – Personal API**, [github.com/Gabe-Goodman/My-Media-Library](https://github.com/Gabe-Goodman/My-Media-Library)

*Media API executed using Express, Node.js, PostgreSQL, Knex.js*

- Engineered a RESTful API server in Express and Node.js, providing CRUD functionality
- Interfaced with SQL database using Knex.js for JavaScript query-building
- Conducted unit testing using proof-of-concept HTML frontend

### Work Experience

**Assistant Language Teacher**, Tokyo, Japan

Jul 2019-Present

*JET Program – Tanashi Technical Highschool*

- Increased student-ALT interaction by 8x, to every-other-lesson via reading and speaking tests
- Refined, standardized curriculum rubrics for department alignment, resource consolidation

**Medical Device Engineering Co-op**, Framingham, MA

Jan-Aug 2018

*Bose Corporation – Bose Hear*

- Informed the development of a direct-to-consumer hearing aid as a cross-functional engineer
- Fabricated models using rapid-prototyping; conducted preliminary wear tests for fit and comfort

**Mechanical Engineering Co-op**, Boston, MA

Jan-Dec 2017

*Philips Healthcare – Connected Sensing*

- Applied knowledge of material properties in designing a biocompatible, wearable biosensor

## Education

**Northeastern University**, Boston, MA

May 2019

Bachelor of Science in Bioengineering

*Concentration in Medical Devices, Minor in Materials Science and Engineering*

**Code Chrysalis**, Tokyo, Japan

Dec 2021

Advanced Software Engineering Program

*Full Stack development with agile methodologies*