



Gabe Goodman

Software Engineer Tokyo, Japan

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 gabe-goodman.com

Technical Skills

Languages & Frameworks: JavaScript, TypeScript, React, Redux

Databases: GraphQL, PostgreSQL, MySQL, MongoDB, Firestore

Version Control & Testing: Git, TDD/BDD, Jasmine, Mocha/Chai

Backend: Node.js, Express

Cloud Services: GCP, AWS, MongoDB

Processes: Agile, Scrum, Kanban

Projects

E-Mina – Pop Culture Tourism App, github.com/YACT-jp/E-Mina-mobile-frontend

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

- Led front-end efforts for *location search*, *location page*, *photo upload & gallery* in **React Native**
- Researched & integrated mobile feature libraries such as **React Navigation**, **React Native Maps**
- Leveraged **front-end component library** in prototyping search, photo upload & gallery navigation
- Designed **API endpoints** and **database structure** for user photos & profile with backend engineers
- Implemented user authentication and account creation using **MongoDB Realm** cloud services

Festival Finder – Interactive Map, github.com/Gabe-Goodman/Festival-Finder

Responsive web application guiding users to participating shops for community events

- Built modular SPA in **React** enabling navigation & “visited locations” using **Maps API** and **Firebase**
- Deployed application to 300+ users via **Netlify**, supplementing physical maps during COVID-19
- Iterated design/functionality based on feedback from user testing, informal stakeholder meetings

My Media Library – Personal API, github.com/Gabe-Goodman/My-Media-Library

Personal media library API executed using Express, Node.js, PostgreSQL, Knex.js

- Engineered a **RESTful API** server in **Express** and **Node.js** for CRUD library operations
- Interfaced with **PostgreSQL** database using **Knex.js** for JavaScript query-building
- Executed TDD unit tests with **Mocha** framework and **Chai** assertion library

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 looks-like, feels-like models in conjunction with industrial design for wear tests

Mechanical Engineering Co-op, Boston, MA

Jan-Dec 2017

Philips Healthcare – Connected Sensing

- Worked with industrial design and engineering in prototyping 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

GPA: 3.73 **Honors:** University Honors Distinction, *magna cum laude*

Code Chrysalis, Tokyo, Japan

Dec 2021

Advanced Software Engineering Program

Full Stack development with agile methodologies