

# Gabe Goodman

Full Stack Developer Tokyo, Japan

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## Technical Skills

**Languages:** JavaScript, TypeScript, HTML, CSS, Python

**Frontend Technologies:** React, Redux, Next.js, Vue.js

**Databases:** GraphQL, REST, PostgreSQL, MySQL, BigQuery

**Cloud Services:** Google Cloud Platform (GCP), AWS

**Testing Frameworks:** Jasmine, Mocha, Chai

**Backend Technologies:** Node.js, Express

**Business Intelligence:** Domo, BigQuery

**Processes:** Agile, Scrum, TDD/BDD, Git

## Work Experience

**Software Engineer**, Tokyo, Japan

August 2022–August 2024

*Rakuten Group – Rakuten Mobile*

- Developed data analysis tooling to automate identification and ranking for coverage holes and 5G anchors
  - Prioritized and tracked 10,527 coverage holes across Japan, achieving a 19.5% reduction over 14 months
  - Deployed data visualization program in Python using 4G geolocated data and 5G Atoll simulation maps
  - Improved defined anchor accuracy from 66% to 84% using overlapping metrics for NSA 5G deployment
- Leveraged Domo and Google BigQuery BI analytics and ETL automation for KPI trend analysis and reporting
- Worked closely with stakeholders to define and document performance specifications to meet project goals

**Assistant Language Teacher**, Tokyo, Japan

July 2019–July 2022

*JET Program – Tanashi Technical High School*

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

## Education

**Northeastern University**, Boston, MA - 2017–2019

Bachelor of Science in Bioengineering, *Magna Cum Laude*

Concentration in Medical Devices, Minor in Materials Science

**Code Chrysalis**, Tokyo, Japan - Fall 2021

Advanced Software Engineering Program

Full Stack Development with Agile Methodologies

## 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 using React Native framework for Android
- Utilized NativeBase component library to prototype UI/UX, feature functionality and debugging
- Facilitated communication with backend engineers regarding API endpoints, database structure
- Implemented user authentication and account creation using MongoDB Realm cloud services

**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 in React using modular components, Firebase, Maps API
- 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 PostgreSQL database using Knex.js for JavaScript query-building
- Conducted unit testing using Mocha framework with Chai assertion library