

# Gabe Goodman

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## Full Stack Developer Tokyo, Japan

GitHub: [gabe-goodman](#) |  [gabe-goodman.com](https://gabe-goodman.com)

### 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*

- Iteratively developed an automated data analysis tool in Python to identify and rank network coverage gaps
  - Tracked and prioritized 10,527 coverage holes across Japan, achieving a 19.5% reduction in 14 months
- Engineered and launched a scalable Python tool for pan-Japan teams, enabling network engineers to optimize Rakuten Mobile's 5G user experience using recommendations and coverage data visualization
  - Increased 5G anchor accuracy from 66% to 84% by leveraging overlapping metrics for pan-Japan rollout
  - Integrated 4G geolocated point data and 5G Atoll simulation maps to enhance network data visualization
- Worked cross-functionally with stakeholders to establish performance specifications and align project goals
- Analyzed KPI trends and competitive benchmarks using Domo ETL and Google BigQuery, delivering quarterly executive reports to drive data-informed decision-making and track continuous improvement progress

**Web Developer**, Tokyo, Japan

August 2021–August 2022

*Freelance*

*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
- Prototyped UI/UX using NativeBase, and collaborated with backend engineers on API integration
- Implemented user authentication and account creation flows 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 a feature-rich web application using React, Firebase, and Maps API
- Deployed via Firebase Hosting, integrated continuous deployment with Netlify
- Conducted user testing and communicated results to stakeholders

*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

**Assistant Language Teacher**, Tokyo, Japan

July 2019–July 2022

*JET Program – Tanashi Technical High School*

- Introduced face-to-face reading and speaking tests, increasing student engagement and interaction
- Refined and standardized curriculum rubrics, aligning departmental goals and streamlining resources

### Education

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

Bachelor of Science in Bioengineering

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

Advanced Software Engineering Program