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

- 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
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
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
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