

Gabe Goodman

Frontend Developer Boston, MA

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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

- Directed iterative data analysis development to optimize 5G architecture, identify and solve coverage holes
 - Implemented processing tools in Pandas, GeoPandas for 4G geolocated data, 5G coverage simulations
 - Improved defined anchor accuracy from 66% to 84% using overlapping metrics for NSA 5G deployment
 - Identified 10,527 coverage holes across Japan, prioritized and tracked 19.5% reduction over 14 months
- 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 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

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 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