

BRETT TANONAKA



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bretttanonaka.com



San Francisco Bay Area (Open to relocate)

SOFTWARE DEVELOPMENT EXPERIENCE

Open Source San Jose | Software Engineer

Sep 2023 - present

LitterSort - [littersort.ai](#)

JavaScript React, React Router, Node.js, Jest, AWS

- Designed and led development of the front end of the application
- Created leaderboard, profile, home, and camera capture components using React; connected front end to the API and managed deployment on AWS
- Wrote and updated unit tests with Jest to achieve over 95% coverage of the front end components

(Takeaway: Success can start with a small dedicated team)

Mevify | Software Engineer

2023

PostgreSQL, Node.js, Nginx, K6, Loader, Jest, AWS

- Reduced latency from 7000ms to less than 5ms per request and increased load handling capacity from 100 to 7,500 requests per second with a 0% error rate by querying with PostgreSQL JSON functions and implementing caching and load balancing with Nginx
- Performed ETL process of approximately five million rows of data from seven CSV files
- Development changes were tested with Loader and K6 on five deployed AWS EC2 instances

(Takeaway: Performance testing can highlight the effectiveness of incremental changes)

Fitbook | Software Engineer

2023

JavaScript, React Native, Redux Toolkit, Firebase/Firestore, Expo

- Designed mockup and prototype for 25+ components in Figma for a team of eight
- Built the individual community page, consisting of the banner, events carousel, and list of posts; enabled users to join/leave a community and have affiliated posts be added/removed from their home feed
- Constructed seed functions to generate 300+ randomized sets of dummy data for use during development

(Takeaway: Organize your code so that anyone can understand it 10 years from now)

WORK EXPERIENCE

Enjoy Technology

2019 - 2022

Senior Media Producer

Palo Alto, CA

Scout at University of California

2017 - 2019

Video Editor

Santa Clara, CA

TECHNICAL SKILLS



Front-End

JavaScript HTML5/CSS3
TypeScript Redux
React
React Native



Back-End/Database

Node.js MongoDB
Next.js PostgreSQL
Express MySQL
Nginx Firebase



Testing/Deployment

Jest K6
Mocha Loader
Chai AWS: EC2



Developer Tools

Expo Webpack
Vim Babel
Git Scrum
npm TDD

EDUCATION

Hack Reactor

Certificate of Software Engineering
2023

University of California, Berkeley

B.A. Digital Media & Advertising
2016

CHANNELS



github.com/B-Tanonaka



linkedin.com/in/bretttanonaka