

# BRETT TANONAKA



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bretttanonaka.com



San Francisco Bay Area (Open to relocate)

## SOFTWARE DEVELOPMENT EXPERIENCE

### **Mevify** | Back-End Engineer

2023

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

- Optimized query performance and reduced latency from 7000ms to less than 5ms per request using PostgreSQL JSON functions and binary tree indexes
- Implemented caching and load balancing with Nginx, boosting the load handling capacity from 100 to 7,500 requests per second
- Development changes were tested with Loader and K6 on five deployed AWS EC2 instances

(Takeaway: TDD can highlight the effectiveness of incremental changes)

### **Fitbook** | Front-End Engineer & UI Lead

2023

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)

### **Wired Wardrobe** | Front-End Engineer & Design Lead

2023

React, React Router, Redux Toolkit, Jest, AWS

- Developed 10+ global components, reducing redundant code by 20%
- Constructed related item card component and product comparison modal; allowed users to save and remove their favorite items into an 'outfit' using local storage
- Bundled using Webpack with lazy loading to achieve a Lighthouse 'Best Practices' score of 99

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

## WORK EXPERIENCE

### **Enjoy Technology**

2019 - 2022

Senior Media Producer

Palo Alto, CA

### **Scout at University of California**

2017 - 2019

Graphics Video Editor Specialist

Santa Clara, CA

## TECHNICAL SKILLS



### Front-End

JavaScript    HTML5  
TypeScript    CSS3  
React    Redux  
React Native



### Back-End

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

## CHANNELS

github.com/B-Tanonaka

linkedin.com/in/bretttanonaka

## EDUCATION

Hack Reactor

Certificate of Software Engineering

University of California, Berkeley

B.A. Digital Media & Advertising