# 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 |

## EDUCATION

Hack Reactor
Certificate of Software Engineering

University of California, Berkeley
B.A. Digital Media & Advertising

## CHANNELS

github.com/B-Tanonaka
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