

BRENT BUMANN

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SOFTWARE ENGINEER

→ *Committed to providing innovative technology and ensuring professional integrity* ←

Performance-oriented software engineer with a career in architecting new software and leading its implementation to completion. Proven leader when faced with challenging business situations and excel at resolving issues, and creating solutions that result in unprecedented success.

Technical Proficiencies:

Ruby/Rails | React/Redux | PostgreSQL | Mongo | HTML/CSS | JavaScript/TypeScript | Python | SwiftUI | AWS | Github
Github Actions | Bazel | Golang

PROFESSIONAL OVERVIEW

DROPBOX | 09/2019 – 05/2023

Software Engineer

Designed and automated a UI within the Development Console that allowed granular permissioning to OAuth 2.0 Apps, for 70K active monthly users. Developed and implemented custom routes for internal APIs in Python and Golang that corresponded with industry standards.

Key Results:

- *Singlehandedly built services that handled a large ingestion of third-party, scalable data, in both proprietary and third-party environments which scaled to tens of thousands of users and produced no regressions.*
- *Implemented OpenID Connect on the Company's OAuth 2.0 platform, which allowed user-based permissioning to third party apps, including tracking metrics for performance and potential bugs.*
- *Successfully updated the public Javascript and Python SDK repositories to include OAuth 2.0; releasing to thousands of users without regressions.*

APP ACADEMY | 05/2019 – 09/2019

Software Developer Technical Instructor

Taught Ruby, code review, and OOP concepts to 70+ students, and reviewed daily projects and assignments. Additionally, instructed interactive classroom exercises that consisted of one-to-one and pair programming issues and algorithms.

Key Results:

- *Improved student test scores by 40%, by creating more comprehensive explanations of lesson concepts.*

BEST BUY CO. | 06/2017 – 12/2018

Computing Team Leader

Promoted to the role to coach and mentor 5+ team members, based on a qualitative metric tracking system in Excel.

Key Results:

- *Created and implemented successful sales strategies that produced between \$30k - \$60K per month.*
- *Due to both technical acumen and communication skills, sold \$1M+ in products and services, thereby being recognized in the Top 3% throughout the district quarterly.*

PROJECTS

Carro (Rails, ReactJS, PostgreSql)

A pixel-perfect clone of Turo that uses SQL database, Rails backend, React frontend with CSS/SASS.

- *Implemented BCrypt to create a protected user experience which allowed a user to create an account or login, aby temporarily bootstrapping the user; avoiding extraneous AJAX requests.*
- *Optimized App scalability by storing content uploaded by users in AWS S3, a cloud-based platform.*

Carro – continued

- > Leveraged custom event listeners and the Redux cycle to dynamically change User Interface based on user permissions.

P.A.R.C. (*MongoDB, Express.js, ReactJS, Node.js*)

“Parking at Residential Communities” uses MongoDB, Express.js, React.js, Node.js.

- > Incorporated Google Maps API with geolocation and custom search functionality to dynamically present listing locations based on user parameters.
- > Implemented local strategy for user authentication with Passport.js, using BCrypt for password hashing.
- > Developed a custom calendar using CSS3 to display availability for listings and to create bookings.

Lightspeed Racer (*Node.js, JavaScript, CSS3*)

Fast-paced game that uses Canvas for visuals and Javascript to handle gameplay and class interactions.

- > Developed collision detection algorithm for sprite characters, and integrated with keystroke event listeners to predict future player direction and movement.
- > Created sprite visuals on Canvas and implemented DRY coding practices by using prototypical inheritance.
- > Utilized JavaScript to query screen size and to create a responsive design that modifies to different screen sizes.

EDUCATION & PROFESSIONAL DEVELOPMENT

University of California | *Human Biology, 2016*

AppAcademy | Web Development Training Program, 2019