

# Kevin Carlos

SOFTWARE ENGINEER

Reno, Nevada

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## Experience

### Square8

April 2021-Present

#### LEAD FRONTEND SOFTWARE ENGINEER (JULY 2021-PRESENT)

- Tech stack: React, Apollo GraphQL, Typescript, Cypress
- Refactor testing suite from 100% E2E tests and more appropriately split all tests into unit, integration, and E2E tests using code coverage reports as a guideline to achieve acceptable test coverage
- Setup a Gitlab CI/CD pipeline to run: test suite, build + push new development builds, and update code coverage reports in Gitlab Pages
- Perform code reviews and ensure best practices are being followed
- Help interview candidates for frontend and backend roles
- Mentor peers

#### FULLSTACK SOFTWARE ENGINEER (APRIL 2021-JULY 2021)

- Tech stack: React Native (Expo), Apollo GraphQL
- Refactored main user application's modal routing solution to use standard practices in order to support browser back/forward functionalities
- Took ownership of mobile application and helped reach initial feature completion
- Perform code reviews

### Cycle.io

October 2019-April 2021

#### FRONT-END SOFTWARE ENGINEER

- Tech stack: React, Redux/Redux Saga, Typescript, Node, Gatsby, GraphQL, Bash, Docker
- Enhanced WebSocket notification service to optimize API requests resulting in a ~45% decrease in requests
- Improved perceived performance of main user application by ~30% through changing how pages display loading state
- Spearheaded a major code rewrite to convert from one routing solution to another (redux-first-router to react-router) and implementing some best practices while doing so, e.g. linting, code standardization guidelines, formatted commits, TSDoc comments, internal wikis
- Monorepoed internal UI library as a foundation to transition other Cycle applications into the monorepo
- Built out the Redux state management and frontend interface for an internal reports system in Cycle's admin application. This interface graphed financials and several customer growth metrics with the ability to compare the data on a normalized graph (quarter vs. quarter, year vs. year, etc.)
- As an entry project I built a status page that reported platform announcements, changelog items, and the status of all Cycle services
- Rebuilt the Cycle web page with SEO value as a main priority (ensuring crawlers have access to the HTML, A/B tooling integration, Google Tag Manager and Analytics) as well as third party API integrations such as Slack, Mailgun, HubSpot, etc.
- Developed features starting from a Node API client to the frontend interface
- Rewrote Redux store to increase maintainability and scalability
- Converted several front-end applications from one CSS in JS framework to another to enhance maintainability
- Converted administrative application from Redux Epics to Redux Saga
- Maintained public facing API client and internal UI library
- Setup automated processes with Bash scripts for processes that were typically done manually
- Written unit tests and form validations
- Performed code reviews
- Written several tech blogs

## Education

### University of Nevada, Reno

December 2019

#### BACHELORS IN COMPUTER SCIENCE AND ENGINEERING

- Minor in Mathematics

### Truckee Meadows Community College

June 2016

#### ASSOCIATE OF SCIENCE

- Emphasis in Computer Science and Engineering

## Skills

**Front-end** React, Redux, HTML, CSS, Styled Components

**Back-end** REST API, Node

**Programming** Typescript, JavaScript, GraphQL, Python, C++

**Other** webpack, Docker, Gitlab CI