

# Dalton Kirkpatrick

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[Portfolio](#)

[Linkedin](#)

[GitHub](#)

## Summary

As an agile software craftsman with over 6 years of experience, I specialize in building elegant and efficient solutions that exceed client expectations. I focus on architecting scalable solutions for web and mobile platforms, utilizing best practices and SOLID principles to ensure maintainability and reusability. From optimizing frontend performance to streamlining backend operations, I am dedicated to delivering high-quality software products that drive business success.

## Experience

### Senior Software Engineer / Lead Software Engineer | January 2023 - Current

[casaperks.com](#)

- Constructed the foundational architecture for web (React), iOS (Swift) and android (Kotlin) platforms while implementing SOLID principles to allow for scalability, maintainability and cross-platform reusability.
- Leveraged a wide variety of API services such as MongoDB Realm to facilitate real time data transfers and object updates from client and server.
- Successfully implemented a fully integrated 'Swift on Server' backend API. This approach allowed me to create specialized modules and services that could be reused within the iOS app or transpiled for use in the Android app.
- Effectively collaborated with the executives, sales and creative teams to deliver an elegant and immersive app experience with multiple environments while accurately communicating short/long term blockers and time frames.

### Full Stack Software Engineer | December 2021 - January 2023

[app.orderb4.com](#)

- Swiftly gained a deep understanding with three new libraries and frameworks including AngularJs, NestJs and Tailwind CSS while demonstrating competence and efficiency within a SCRUM environment.
- Crafted meaningful contributions to the custom frontend NPM package where Tailwind CSS was used with Angular Material to create beautiful and unique UI components with a seamless UX flow.
- Maintained and Implemented new client side features and components while improving time and space complexities of all new and existing algorithms.
- Effectively communicated and problem solved with a team of 4 engineers to create efficient algorithms and data pipelines while utilizing the ngx store to allow for quick retrieval and organization of user application data.
- Created and updated backend NestJs models, views, controllers and services for the secure retrieval of data from the client side to the AWS database via RESTful routes and CRUD services

### Lead Frontend Software Engineer | November 2020 - December 2021

[eKidsPower.com](#)

- Maintained ownership over the entire frontend as the sole React developer, implemented features ranging from reusable modals to controlled sign up forms linked to a Moodle SAAS platform.
- Implemented both Stripe and PayPal payment forms for subscription management.
- Managing a team of interns to help teach real work business and technical skills.
- Advised and worked with a team of backend developers to create and implement various new technologies into a React frontend platform.
- Created a complex database architecture using AWS to improve efficiency and scalability of the overall application.

## Full Stack Software Engineer - Data Collection Team | September 2019 - November 2020

Import.io

- Engineered web extractors to navigate and target specific data on a web page and extract information using JavaScript.
- Make complex API calls to bypass browser security protocols and access data objects for deeper extractions.
- Created multiple React components and shared functions for company wide use.
- Learned and expertly navigated a new CLI in a matter of days to create elegant and efficient products.

## Full Stack Software Engineer | March 2018 - August 2019

loop.com

- Developed front-end interfaces using TypeScript and ReactJS to provide a user-friendly experience for capturing shipment data.
- Integrated RESTful APIs with the Python backend to enable seamless communication between the front-end and back-end systems.
- Maintained and Implemented new client side features and components while improving time and space complexities of all new and existing algorithms.
- Optimized application performance through code refactoring and performance profiling, ensuring responsive user interactions.
- Conducted code reviews and collaborated with team members to maintain high code quality and adherence to coding standards.

## Skills

**Languages:** JavaScript, TypeScript, Ruby, Swift, Kotlin, jQuery, SQL

**Technologies:** React Native, React.js, AngularJS, iOS, Android, NestJS, Ruby on Rails, Swift on Server, Redux, Webpack, Node.js, AWS, Heroku, Google FireBase, MongoDB, Express.js, PostgreSQL, Docker, Vapor, HTML5, CSS3

## Education

**Bachelor of Mechanical Engineering** | San Jose State University, San Jose, CA

**AA Computer Science** | App Academy, San Francisco, CA