

# Jason Johnson

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## TECHNOLOGIES & TALKS

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- Javascript (ES6+), Typescript, React, Node.js, Express.js, HTML, CSS + SASS, Redux, Next.js, GraphQL, Amazon Web Services (S3, EC2, RDS), Jest, SQL, NoSQL, PostgreSQL, MongoDB, Redis, Git/Github, Jest, Webpack, Docker, MUI, Ruby, Ruby on Rails, Angular, JSON, DevOps, mobile first development, RESTful architecture, Object Oriented Programming
- Talk: [Introduction to React Hooks \(2023\)](#)

## EXPERIENCE

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**Scribe** | Test Generator for GraphQL Types, Queries, and Resolvers | Software Engineer 2022–2023

- Designed and implemented a front end React user interface featuring an integrated code editor tailored for inputting GraphQL queries, allowing users to generate, edit and save various automated Jest tests
- Developed backend Express.js/Node.js server to generate standardized type-safety, unit, and integration Jest tests for user-submitted GraphQL schema, queries, mutations, and other resolvers, in accordance with a syntactical format employed by Apollo GraphQL
- Implemented server side caching of API requests with Redis, reducing extraneous database queries and improving server response times up to 80 %
- Utilized Redux Toolkit and flux architecture to create a centralized state-management system, greatly improving code readability by reducing complex prop-drilling and event-handling implementation within components
- Utilized PostgreSQL with Prisma to efficiently manage data within the application, leveraging Prisma's robust type safety and flexibility in defining database models, handling migrations, and optimizing queries, while taking advantage of PostgreSQL's ACID compliance
- Developed product under Open Source tech accelerator OS labs

**Konvene** | Convention Event Organization and Management Application | Software Engineer 2023 – Present

- Leveraged MUT's extensive library to significantly reduce time consumption in design and implementation for UI elements, and ensured a consistent and visually appealing user interface across the application
- Designed multiple robust Ruby on Rails models while implementing model associations, validations, and custom methods to enhance the application's functionality and ensure data integrity
- Implemented DevOps-focused CI/CD pipelines for Ruby on Rails and PostgreSQL, streamlining the deployment process and ensuring continuous integration and delivery of high quality code updates to production

## OPEN SOURCE

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**EventFinder** | Application for Finding and Managing Events | Software Engineer 2022 - 2023

- Independently developed a full-stack single page web application that allows users to search for events (concerts, sport events, etc.) that they might be interested in, display comprehensive event details, and facilitate easy event favoriting to return to later
- Utilized modern JavaScript (ES6+) features such as async/await, arrow functions and destructuring assignment to enhance code readability, maintainability and performance
- Implemented a mobile first development strategy, focusing on optimizing user experience and functionality for mobile devices through Bootstrap's CSS infrastructure

**Poppin** | An Application For Discovering Entertainment Establishments | Software Engineer 2022 - 2023

- Led meetings in a Scrum environment and implemented agile methodology with daily stand-up meetings, sprint planning, and retrospective sessions, resulting in increased team collaboration and a faster development process
- Designed RESTful architecture for scalable and efficient communication between client and server components
- Utilized Tailwind CSS's flexible framework to establish a cohesive visual identity across the entire application

**CSE Society: Aviation Hack 2023 Hackathon** | Software Engineer 2024

- Designed/developed Emilia, an aviation-inspired game, from inception to completion within three days, utilizing React and Node.js
- Implemented back-end api calls to access real-time weather-related data using Storm Glass API
- Awarded 1st place overall among 100+ individual participants

## EDUCATION & INTERESTS

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**University of California, Riverside** | Bachelor of Science, Cum Laude

- **Interests** Making lofi music, weight lifting, running, reading fantasy, League of Legends, Breaking Bad