Shane Taylor

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Technical Skills

Strong: Javascript (ES6+), React, Redux, NodeJS, Express, GraphQL, SQL, NoSQL, Webpack, React-Vis, SCSS, Git, HTML5, CSS, RESTful APIs
Experienced: Electron, TDD (Jest, Enzyme, Mocha, Chai), Drupal, Pantheon, AWS (S3, CloudFront), Gatsby, Zeit, Now, Travis CI

Experience

Orpheus GQL | Software Engineer   **2019 - Present**

- Employed GraphQL to reduce round trips to the server by utilizing declarative data fetching queries to retrieve relevant data
- Engineered React to ensure efficient rendering to the DOM by benefiting from Reacts declarative nature and tree reconciliation algorithm
- Published and maintained software that aims to provide developers a deep insight into their GraphQL queries through extensive depictions of query and resolver relationships, allowing for in-depth effective runtime and query analysis
- Deployed with AWS CloudFront to reduce file size via preconfigured gzip process and improve network latency by utilizing location-aware content delivery and backing up application logic in the cloud to maximize availability of resources
- Implemented Redux as the single source of truth to ensure data immutability, eliminate complex prop drilling and unnecessary re-renders of components, and utilize pure reducer functions to allow for features like time-travel debugging
- Leveraged React-Vis to dynamically generate SVG data and map the distinct relationships between GraphQL queries, resolvers, and results for subsequent analysis of performance and potential bottlenecks in complex GraphQL executions
- Constructed NoSQL databases to store persistent data and prioritize data access speed, minimizing latency of database round trips and fortifying future horizontal scalability

CS | Software Engineer & Online trainer   **2019 - Present**

- Iterated on proprietary online multi-user code editor to improve performance, syntax highlighting, and management of advanced JavaScript features such as Promises, Async/Await, object destructuring, and ternary operations
- Developed computer science, OOP, functional programming best practice guidance and mentored developers on engineering approaches

GLAAD, ST:WD | Web Developer   **2015 - 2019**

- Leveraged content management system to provide user-friendly administrative interface while implementing custom templates, article authoring, and publishing of web assets, empowering users to harness complex web technologies
- Integrated hosting platform to develop digital products and execute tests by managing staging environments and code deployment
- Deployed Python web server with Django to manage authentication and user-friendly administration interface on a performant framework
- Utilized gulp.js to develop and deploy custom email designs with inline-CSS injection, improving open rates, clickthrough, and donations

Open Source Projects

DevCache | Back-End Software Engineer | Code Storage System

- Developed NodeJS server with Express to manage large amount of concurrent users with high-throughput and its non-blocking nature
- Configured a SQL database to manage complex relationships and ensure data accuracy, atomicity, and isolation of transactions
- Employed TDD with Jest and Supertest to verify proper component rendering with snapshot-testing and validate API routes

WitWare | Front-End Software Engineer | Interactive Group Contest

- Integrated React Router to minimize server calls within a single page application and to establish static routes for user flow
- Implemented SCSS to increase styling consistency and ease of iteration, delivering a beautiful, compelling and consistent UI for users

Power of Heart | Software Engineer | Gameplay Tracking Tool for Monster of the Week

- Developed mobile application in React (native framework) where users can manage complex character actions
- Architected GraphQL query system with Apollo to condense API endpoint needs and reduce round trip server calls

Public Talks

Ethiq Software Engineering Speaker Series | The Human Compiler: Design Patterns in Modern JavaScript Frameworks   **2019**

Education

CS | Software Engineering Residency   **2019**
Eastern Washington University | Bachelor of Arts in Social Work   **2008**

Interests

Playing the drums and bass guitar (usually not simultaneously) | Streaming a live board-game show on twitch.tv | Performing with my improv team