Tulsa, Oklahoma, US
Linkedin   Portfolio

Jay Doan

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Full-stack software engineer with 9 years of experience and a degree and background in accounting.

Work Experience

Freelance Software Engineer   **WebVaze**   **2022 - Present**

IPQualityScore SDK
- Swift security and fraud tracking SDK for iOS and macOS utilized by large financial and social media apps.
- Continuously research iOS documentation and release notes for new security changes and opportunities
- Built custom bash script to build and release to multiple swift and iOS versions to ensure backwards compatibility without sacrificing new features, saving hours of time compared to a manual release process.
- Ported both iOS and Android SDK to Flutter and React Native.

Spirated App
- Expo yelp-style app with iOS, android, and web functionality, built in TypeScript with a PHP/SQL backend.
- Spirit, Venue, and Distillery search with multiple sorting options, including distance, and interactive map views.
- Developed a tailored solution enabling map views in React Native Web, ensuring feature parity with existing React Native maps component.
- Tiered user privileges for venue and distillery management.
- Review, rating, post, comment, like, and follow features.

Software Engineer   **Beanworks**   **2021 - 2023**

Accounting automation solutions
- Stack: React, React Native, .NET, TypeScript, JavaScript, SQL, GraphQL
- Worked with webapp team to replace JavaScript/Symfony UI with overhauled TypeScript/React UI
- Worked with integrations team to create custom .NET APIs to communicate with windows-based accounting ERPs like QuickBooks Desktop and Sage 300.
- Solely responsible for bringing React Native application in-house from 3rd party contractors, upgrading for modern environments, removing tech debt, and adding new features.

Freelance Software Engineer   **Duplishot**   **2022**

ScenePin App
- React Native TypeScript application with Parse backend for finding movie scene locations and duplicating shots.
- Live camera with image overlay to ensure shots are lined up with the scene being replicated.
- Live map view of locations with search functionality.
- Nearby, popular, recently viewed, and saved lists with search functionality.

Software Engineer   **Digital Broadcast, Inc**   **2021**

Media broadcasting software and automation solutions
- All Ad-Hoc projects - Stack: Windows, .NET, React, MongoDB, SQL, C#, C++, JavaScript.
- End-user configurable SCTE-35 compliant XML inserts to indicate replaceable ad content in live/recorded broadcast streams.
- Automated migration of SQL databases to MongoDB structures with frontend linking updates.
- Addition of React pages within ASP.NET cshtml website.
- Local disk space monitoring with automated LTO archival and database linking updates.
- File watchers to format incoming data and trigger API calls.
- Local API endpoints to trigger file and directory changes.
- Custom Windows GUI applications.
- Automated FTP scanners with file parsing and data translation.

Freelance Software Engineer   **Florida Moving Solutions, LLC**   **2021**

Moving Inventory Solutions

- Job tracking and inventory management app/website for moving companies, built with a React and React Native monorepo in typescript.
- QR generation and scanning for inventory items.
- Location based tracking and status update notifications for both companies and clients.
- Tiered user privileges.

Junior Software Engineer   **OPIE Software**   **2018 - 2021**

OPIE Anywhere Team

- Stack: React, React Native, .NET, Docker, SSMS, TypeScript, C#, SQL.
- Built React website housed within React Native application for full feature parity.
- Managed back and forth communication between app and iframe site.

Purchasing and Inventory Team

- Stack: ASP Classic (Active Server Pages), IIS, SSMS, .NET, VBScript, SQL, C#, JavaScript.
- Maintained legacy ASP Classic purchasing website and accompanying API used by all other company platforms.
- Developed inventory and purchasing automation solutions, ensuring invoice totals are calculated equally among all stacks and languages.
- Managed hundreds of stored procedures, investigated query execution paths, and improved response times for all clients with varying data distributions (i.e. 1 large clinic vs many small clinics).
- Wrote jobs to clear cached execution paths for queries that couldn't be optimized for all data distributions.
- Managed punchout catalogs with daily SQL imports and data translations.
- Performed manual IIS releases and wrote accompanying internal and external documentation.
- Ran refinement and retrospective meetings.

Freelance Software Engineer   **Other Freelance Projects**   **2015 - 2018**

- WatchFlipper: Native iOS and Android app for users to buy and sell luxury watches.
- HiLo: Native iOS social media app with hashtags and @user links.
- Swipper: Native iOS Chatroulette/Omegle clone with Vapor (Swift) backend.
- Farm harvest tracker with csv exports.
- iOS application for patients to request medicine prices from pharmacists.

*Accounting resume available upon request

Projects

- Python script that regularly checks the timing of my most recent posts on multiple freelance job posting subreddits, compares them to the minimum required period between posts, copies post content from a private subreddit, and posts it to the relevant subreddit(s) with appropriate flairs.
- WIP - App that notifies users when they are within a certain distance of each other.
- MPG Mileage tracker that calculates every time a user gets gas.
- Weight plate calculator that tells users what plates to add to each side of the bar to achieve a certain weight, accounting for both bar weight and the plates a user has available

Technologies and Languages

- Languages: TypeScript, JavaScript, Swift, SQL, C#, C++, PHP, Python, Java, Kotlin, VBScript
- Technologies: React, React Native, Expo, Flutter, iOS, macOS, Android, .NET, SSMS, IIS, AWS, MongoDB, Windows, Docker, GraphQL, FTP, LTO, Vapor

Education and Certifications

- **B.B.A. Accounting,** University of North Florida.   **2008 - 2012**