Cameron Jones

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Richmond, VA

Summary

Software Developer with 5 years of experience in both front-end and back-end web application development within agile environments. Proficient in UI development, primarily utilizing React.js, Next.js, and Aurelia, alongside robust API development expertise in C#, Node.js, and Groovy. Adept in QA automation, leveraging Selenium, Protractor, and xUnit.net. Skilled in modern DevOps practices, with proven capabilities in infrastructure management and CI/CD implementation on Azure and AWS cloud platforms.

Professional Skills

React, C#, Next.js, Node.js, SQL, Test Automation, Azure, Agile, iOS/Android Development, AWS, GitHub, Java, Grails, Apache Groovy, Protractor, xUnit.net

Recent Employment

Software Engineer

CarMax • Richmond, VA   12/2024 - Present

- Maintaining and enhancing the carmax.com web application, both front-end and back-end, ensuring stability and continuous improvement of core features.
- Developing and supporting personalization features such as saving searches and creating watchlists, thus enhancing the overall user experience.
- Contributing to the development and optimization of store listings and store detail pages.
- Streamlining user flow by enabling anonymous usage of experiences previously requiring authentication, including notifications and saved searches.
- Enhancing the account creation process by transitioning the user's existing data (e.g. favorited vehicles, saved searches, etc.) to their new account.
- Improving search engine optimization via SSR and SSG.
- Optimizing performance of legacy and modern APIs, including reducing page load times from over 5 seconds to under 1 second across multiple pages.
- Taking initiative to both brainstorm and impelement innovative everyday features, such as table views to compare favorited vehicles, and CSS animations like pulsing heartbeats on favorites' heart icons.
- Conducting tests of experimental features via Adobe Target to assess their value and impact.
- Collaborating with cross-functional teams to implement new features and improve existing functionality on the platform.

Software Developer

Core Consulting • Richmond, VA   06/2019 - 12/2024

- Involvement in two multi-year projects, one in the private sector with an insurance agency and one in the public sector with a state agency.
- Assisting in a client's multi-year transition from a COBOL-based desktop application to a Groovy/Java-based web application.
  - Building automated UI and API test scripts (unit tests as well as end-to-end integration tests) using Protractor/Node.js/Selenium, thereby allowing for automated regression testing throughout the project lifespan.
- Assisting in a client's multi-year transition from a COBOL-based web application to a C#-based web application.
  - Utilizing React.js within an agile .NET environment to deliver a dynamic and responsive user experience according to stakeholder needs and wishes.

- Developing and maintaining over 50 C# microservice APIs, utilizing modern industry best practices and leveraging a strong understanding of the underlying SQL database and its schema, stored procedures, etc. to deliver scalable, secure, and efficient solutions for complex business requirements.
- Maintaining over 50 pipelines responsible for the nightly CI/CD of each microservice to each application environment, as well as the ensuing microservice regressions automatically run to ensure CI/CD success, security, and application performance in each environment.
- Building automated UI and API test scripts using xUnit and RestSharp.
- Developing and maintaining a user interface (separate from the primary application) built using React.js and connected (via a C#-based API) to xUnit.net automation scripts, allowing for complex tests/data-creation/etc. to be customizably parameterized and quickly run by front-end users in any application environment.
- Developing an end-to-end, scenario-based automation script that exhibits capabilities to be displayed to stakeholders.

Software Developer

Data Directions, Inc. • Richmond, VA   02/2022 - 05/2023

- Lead developer in transitioning a Fortune 500 client's web application into compliance with Web Content Accessibility Guidelines (WCAG).
    - Addressed hundreds of issues, as identified by Accessibility 360, including, but not limited to, the absence of alt tags on elements, minimum color combination contrasts, telephone number markup, and form adherence (proper labels, required attributes, etc.).
    - Created scripts that would be run on all pages and allow these issues to be automatically addressed without manual effort from the client's development team.
        - One lightweight script identifies all elements that do not have an alt tag (using Regex), and then identifies and applies an appropriate tag to each. This not only fixed all existing instances of this issue, but also protects against any future instances wherein the development team adds a new element without an alt tag.
        - Another script identifies all phone numbers on the page that are not marked up as links (useful in allowing mobile users to click on the phone number), and wraps each in individual elements with proper href="tel:..." attributes. Again, this works as both a retroactive and proactive solution.
- Development role in multiple projects with one of the largest East Coast full service equipment and tractor dealerships in the agriculture, construction, forestry, paving, and mining industries.
    - Designed, executed, and maintained an automated testing strategy using xUnit & Selenium for three web applications that had previously relied on manual test efforts.
    - Built unit tests for all facets of the application, while also utilizing the same components in an end-to-end test that ensured full app functionality before releasing to end users.

Personal Work

Baltimordle

- My most popular web application & game thus far, having been played by users across more than 20 countries and 40 U.S. states in just its first 24 hours alone.
- A daily mystery game wherein users try to guess a current Baltimore Ravens player.
- After each guess (max of 6), users are given hints.
    - For instance, if the user guesses a player who is 24 years old and wears number 52, and the correct player is 24 years old and wears number 50, the user's guessed player will have its age highlighted green, indicating an exact match, and the player's number highlighted yellow, indicating that the number is within 2.
- Due to the support it received, I transitioned Baltimordle into an iOS app, built using React Native.
- The web application was built using ReactJS and hosted on Azure.

Sportle

- With the rise of Baltimordle came requests for it to be built for other NFL teams, as well. Many even asked for it to be built for teams in other sports! So, I created Sportle.
- Built using the same ideas as Baltimordle, but applied to all teams in the following leagues:
    - NFL, NBA, WNBA, NHL, MLB, MLS, NWSL, La Liga, and Premier League

- There is also an exciting "All" sports section, which tests users who believe they are knowledgable in multiple sports.
- This section has a daily mystery player just like the others, but is chosen from any team in any of the 9 aforementioned sports leagues.
- In March 2024, I replaced the Baltimordle iOS app with iOS & Android app versions of Sportle, built using the Flutter framework. The APIs are hosted on Azure and sports data are retrieved on a scheduled basis using Azure Functions.

URLs: SportleGames.com, Sportle (iOS), Sportle (Android)

Droidle

- A .NET Core web application, build using ReactJS, that allows users to face a bot in a series of challenging word games.
- The bot is programmed to be any one of three user-selected difficulties (easy, medium, hard), giving way for the user to work their way up.
- The application is hosted on Azure.

URL: Droidle.app

RecommendMe *(deprecated)*

- A .NET Core web application that provides users with recommendations for music, movies, TV shows, and podcasts, based on a variety of user inputs including mood and preferences.
- The UI is React based while the APIs are coded using C#.
- CI/CD is accomplished using GitHub Actions and Azure App Services, where the application is hosted.

CameronJones.tech

- Personal site containing information about me and my resume.

URL: CameronJones.tech

Education

Bachelor's of Science Degree: Psychology

Virginia Military Institute • Lexington, Virginia

Graduated
05/2019

- *Distinguished Graduate with Honors.*
- *Graduated in the Top 25 of the 2019 Class.*
- *GPA:* 3.85 overall, 4.0 major.
- *Graduate Record Examinations (GRE)*: Analytical Writing - 92nd Percentile nationwide; Verbal Reasoning - 88th Percentile nationwide; Quantitative Reasoning - 80th Percentile nationwide.
- *Major Field Test (MFT) - Psychology:* Scored in the 99th Percentile nationwide.
- *Psi Chi (International Honors Society for Psychology)*: 2017-2019.
- *Research:* Conducted six research studies. Areas of research included, but was not limited to, memory, biases, and life satisfaction. Research spanned from 2016-2019.

Secondary Languages

Spanish