KEITH AMADEUS WILLIAMS

Software Engineer
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keiths-react-symphony.netlify.app/

SUMMARY

With a BS in Economics from Utah State University and over five years as a QA Supervisor, transition has been made into a dynamic Full Stack Developer, blending analytical skills with coding expertise. Proficiency is found in React, JavaScript, HTML5, CSS, Python, and SQL, leveraging tools like Node.js and Express.js to create RESTful APIs and applications. Background has refined problem-solving abilities and organizational skills, fostering a team-focused approach to developing reusable, efficient code through collective efforts. Leadership experience and commitment to continuous learning in tech equip one to lead projects effectively, staying updated with cutting-edge technologies to drive innovation. Passion for technology fuels creativity and enhances interpersonal skills, aiming to contribute to a community where growth and creation of something extraordinary can occur.

TECHNICAL SKILLS

Languages: bcrypt, CSS3, ES6+, Express.js, GitHub, HTML5, JSON Web Token (JWT), Java, JavaScript, jQuery, MERN Authentication, MongoDB, Mongoose, MySQL, NoSQL, Node.js, PHP, PostgreSQL, Python, React, RESTful APIs, SQL, Sequelize, TypeScript, YAML.

Tools and Technique: Apollo Server GraphQL, AJAX, Agile Methodologies, Bootstrap, CircleCI, CodeIgniter, Command Line Interface, Computer Engineering, Computer Science, Cypress Testing, DOM, Deployment CI/CD, Developer Tools, Git Workflow, GitHub Actions, Insomnia, MongoDB Compass, Netlify, Object-Oriented Programming Principles, Prompt Engineering, Render, Responsive Web Design, Servers APIs, Sessions, Symfony, Test-Driven Development (TDD), Visual Studio Code, VDOM, Vite, Web Accessibility, Wireframing.

PROJECTS

SocialSync (Collaborative) **| github.com/ASgithub11/SocialSync | socialsync-kjg6.onrender.com/**
Tools: Node.js, Express.js, Two server-side RESTful API's, React front end, PostgreSQL and Sequelize ORM for Database, GET and POST routes for retrieving and adding new data, authentication using JWT, protected API keys and sensitive information using environment variables.

- Streamlined Data Integration: By integrating the OpenWeather and Unsplash APIs, I provided critical real-time data and imagery, which not only enriched the application's content but also automated manual processes, saving time and effort.
- Enhanced User Experience: My development of advanced Card Components with superior usability and aesthetics improved the interface, making it more engaging and user-friendly, thus contributing significantly to the project's success in user retention and interaction.

- Facilitated Feature Development: My work on the Card Page with integrated weather updates directly addressed the user story for weather information, fulfilling a key requirement that likely increased the application's practical value and user satisfaction.

Weather Dashboard | github.com/keithamadeus/Keiths-Weather-Dashboard/tree/main | keiths-weather-dashboard.onrender.com/
Tools Used: Build backend code to connect front end, Deploy using Render, OpenWeather API,
- API Integration and Data Utilization: Developed a robust application interfacing with the OpenWeather API, successfully fetching and displaying real-time weather data and forecasts for multiple cities, significantly enhancing user travel planning and daily activity scheduling.
- Backend Development and Deployment: Constructed and deployed a server-side solution on Render that efficiently manages API requests, processes weather data, and serves it to the front-end, ensuring a smooth and scalable user experience.
- User Experience Enhancements: Implemented features for historical search data storage and retrieval, providing users with an intuitive interface to access past searches, improving usability, and personalizing weather data interaction.

scrumBoard (Collaborative) **| https://github.com/lindsayhoutz/scrumBoard | lindsayhoutz.github.io/scrumBoard/**
Tools Used: GitHub Pages, Bootstrap CSS Framework, prompt functionality, client-side storage.
- Drag-and-Drop Functionality: Spearheaded the development of a drag-and-drop feature that enhances task management by allowing users to visually organize and prioritize tasks effortlessly, directly contributing to an intuitive user interface.
- Iterative Development: After encountering initial issues with integrating the drag-and-drop with columns and notes, resources from W3Schools were utilized to refine the code, leading to a successful implementation aligned with the application's design and functionality requirements.
- Responsive Design Contribution: Contributed to the project's adaptability by implementing media queries, ensuring the drag-and-drop interface worked seamlessly across various devices, particularly enhancing mobile usability.

RELEVANT EXPERIENCE

Website Administrator   August 2023 – December 2023
Stanion Wholesale Electric   Pratt, KS
Researched and implemented cutting-edge software for ongoing website development and optimization.
Managed and maintained the company's website and e-commerce platform, ensuring smooth operation and customer satisfaction.
Collaborated with developers to enhance website functionality, graphics, and product information, applying critical thinking to improve user experience.
Oversaw data management and analysis, driving website projects while safeguarding data integrity and server security.

<u>Generated</u> detailed reports on site performance, SEO, and user engagement, influencing strategic business decisions.

Associate Software Developer   August 2021 – October 2022
Integra Financial Service   Logan, UT
<u>Refactored</u> 15,000 lines of legacy code into 23 separate controllers to support a Vue.js upscale, significantly improving the UI and demonstrating advanced problem-solving and restructuring capabilities.
<u>Developed</u> an 'ACH Revoked Report, which pulls 14 data points from a MySQL database for auditing purposes, requiring strong communication with database management.
<u>Implement</u> and practice Internet development techniques, focusing on integration and scalability.
<u>Built</u> development tools and enhanced User Access Control (UAC) functionalities, including front-end and back-end testing.
<u>Created</u> a developer tool called 'Pseudo Customer' that utilizes the Faker library to generate test accounts, enhancing our testing capabilities.
<u>Added</u> a tool-tip feature to the UAC system, enhancing user experience by clarifying functionality, which involved database management and user interface design.

Quality Assurance Supervisor   March 2016 – December 2022
Integra Financial Service   Logan, UT
<u>Develop</u> and implement a 6-step corrective action process now adopted as the standard for quality assurance procedures.
<u>Implemented</u> quality assurance standards that reduced compliance violatiTEkons by 30%.
<u>Led</u> the initiative to streamline customer service operations, which resulted in a 15% increase in customer satisfaction scores.
<u>Adapted</u> quality training processes during the global health crisis, ensuring uninterrupted compliance with updated government regulations.
<u>Trained</u> 200+ employees across various departments, utilizing effective communication skills to ensure understanding and applying compliance standards.

EDUCATION

Software Development Certificate | University of Utah | Jun – Nov 2024 | Remote, USA

Bachelors Economics | Utah State University | Aug 2007 – July 2009 | Logan, UT

Associates Drafting Technology | Treasure Valley | Aug 2004 – July 2007 | Ontario, OR