YOUSEF OUDA

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Experienced Front-End Engineer with 6+ years in JavaScript, HTML, CSS, and frameworks like React and Angular. Skilled in developing web applications, creating prototypes, translating business requirements into high-performance solutions, and collaborating with cross-functional teams. Strong problem-solving abilities and a passion for optimizing user experience and mentoring junior engineers.

EDUCATION

Bachelor of Engineering Science, Software Engineering – Western University London, Ontario
- Western Scholarship of Excellence; Dean's Honor List 2020

WORK EXPERIENCE

Front End Engineer II Vancouver, British Columbia
TikTok / DataPower April 2024 – November 2024
- Introduced new metrics and improved data visualization, providing users with clearer and actionable insights.
- Streamlined access control tools using advanced permission management, ensuring secure and appropriate user access.
- Successfully increased user engagement, resulting in an 11.2% increase in page views and a 9.9% increase in unique visitors, by implementing user preferences storage and reducing the need for multiple clicks.
- Enhanced user interaction tracking, leading to better understanding of user behavior and improved feature design.
- Developed comprehensive technical documentation, facilitating smoother team collaboration and future maintenance.
- Led the successful migration from the default external public CDN to our business private CDN, resulting in 60% reduction in related costs and minimized potential service disruptions through comprehensive risk assessment and mitigation strategies.
- Enhanced system reliability by implementing issue monitoring, ensuring prompt response and resolution of issues, maintaining a high service level agreement compliance rate, and improving overall system up-time and performance.

Front End Developer Markham, Ontario
IBM Canada May 2018 – February 2024
Turbonomic
- Led the migration for specific features and pages from AngularJS to React, improving performance and scalability.
- Implemented a dynamic data grid table with tree selection, pagination, and filtering features, structured for flexibility and maintainability through a column definition approach, and integrated IBM's design language for consistency and usability.
- Served as a subject matter expert in specific areas of our codebase, demonstrating an exceptional understanding of new features and innovations introduced, enabling swift problem resolution, code quality improvements, and increased efficiency.
- Presented innovative features to executive teams, emphasizing their potential impact on product excellence.
- Worked closely with colleagues daily, providing issue resolution, triage support, and contributing to codebase enhancements.

Watson Orchestrate
- Collaborated with cross-functional teams of 25+ members in design, product, and back-end to create and maintain web products, resulting in seamless development and improved efficiency.
- Spearheaded the implementation of a responsive, mobile-first approach and strategy, prioritizing user-centric design principles, touch-friendly interfaces, fluid layouts, and performance optimization, resulting in a 20% increase in mobile traffic.
- Revamped 50% of codebase, improving code structure and information availability, while adhering to design and accessibility.
- Proactively participated in adopting the latest React hooks and Redux Toolkit, contributing to project innovation and efficiency.
- Conducted code reviews with 3 senior developers and team leads to ensure high-quality and reusable code.
- Mentored and guided new front-end developers, facilitating their professional growth and helping them achieve personal goals.

Carbon Components Angular
- Built 15 UI components for IBM Carbon Angular, enhancing functionality and driving a 30% increase in global adoption.
- Created 40+ rigorous unit tests for each component, resulting in a reduction in bugs and ensuring high-quality and reliable code.
- Ensured the technical feasibility of 100+ end-to-end UI/UX designs for performance complexity, scalability, quality, and security.
- Developed a streamlined boilerplate app for rapid UI prototyping, facilitating faster iteration and feedback cycles.
- Provided technical support to diverse global clients, resulting in an increase in client retention and satisfaction.

PROJECTS

Soccer Drop-In (Active Project with 200+ Users) November 2024 – present
- Engineered a soccer management app with React, Node.js, and Firebase, enabling players to join games, manage waitlists, and request refunds. Integrated Stripe for secure payment processing and Firebase for real-time updates and authentication.

Self-Start Body Smart September 2017 – April 2018
- Coordinated with a team of 6 and the CEO of Marcotte Physiotherapy to engineer an online physiotherapy service, enhancing patient engagement and performance. Developed using Ember.js front-end and Node.js/Express.js back-end with MongoDB.

NASA Collections November 2017 – December 2017
- Developed a robust web application using Angular 4, Node.js, MongoDB, and a REST API, enabling users to securely search and share NASA image collections, with authentication and authorization protocols, fostering collaboration and knowledge sharing.

SKILLS | Order of Proficiency

- **Languages:** Typescript, HTML, CSS, JavaScript, C#, Java, C++, SQL
- **Frameworks, Libraries & Applications:** React, Angular, Git, Storybook, Ember.js, Node.js, Express.js, MongoDB