# M. Youssef

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**Professional Summary**

* 10+ yrs in ReactJS developing innovative software solutions with knack for problem-solving and creative approach to coding challenges. Enthusiastic about collaborating with teams and leveraging modern technologies to build user-friendly applications. Continuously learning and adapting to new tools and techniques in ever-evolving tech landscape.
* Adaptable Developer with strong background in crafting innovative software solutions. Proven track record in streamlining processes, enhancing user experience, and delivering high-quality code. Adept at collaborating with cross-functional teams to drive project success and achieve business goals. Committed to continuous learning and staying current with emerging technologies.
* Experienced with all stages of Software Development Life Cycle, familiar with AGILE methodologies. Experience with full software development life cycle, architecting scalable platforms, development, testing and agile methodologies.

**Technical Skills:** React.js | Redux | HTML | CSS | JavaScript | TypeScript | Jest | Webpack | Node.js | RESTful APIs | CI/CD | Agile | TDD | UI/UX Design

**ADDITIONAL SKILLS**

* Quality control
* Development life-cycle management
* Product usability and durability testing
* Testing and maintenance
* Code reviews
* API design
* Web-based software engineering

**Work EXPERIENCE**

**Sr. Software Developer  
Glean (Palo Alto, CA) Jan 2024 – Present**

**PROJECT DESCRIPTION**: I contributed to the development of an AI-powered enterprise search platform designed to help employees find the information they need across all workplace apps. My responsibilities included designing APIs, optimizing search algorithms, implementing secure access controls, and user experience through collaboration with cross-functional teams. I also contributed to performance tuning, code quality enhancements to improve search accuracy and personalization.

**Responsibilities:**

* Lead the development of dynamic responsive user interfaces product discovery in decentralized platforms using React.js.
* Built scalable, reusable UI components with performance optimization across devices.
* Designed highly scalable single-page applications using React. Developed reusable functional class components in React.
* Built enterprise-level React applications TypeScript, improved developer productivity, bug detection during compilation.
* Developed semantic, accessible, and SEO-friendly web pages using HTML5, ensuring compliance with W3C standards.
* Leveraged advanced HTML5 features to create engaging and interactive user experiences.
* Utilized Redux Toolkit and middleware (Thunk, Saga) to manage asynchronous API calls and handle complex side effects.
* Integrated RESTful APIs with React applications, handling authentication, authorization, and error responses gracefully.
* Designed Axios-based data layers for interacting with RESTful backends, robust error handling and retry mechanisms.
* Combined Jest with React Testing Library to test components, hooks, and Redux state transitions effectively.

**Sr. Software Developer**

**Inkind (Austin, TX) Sept 2021 - Dec 2023**

**PROJECT DESCRIPTION**: I was responsible for building and maintaining scalable applications that support restaurant financing and customer engagement solutions. I contributed to the development of core platform features, including payment processing, customer loyalty integrations and in improving system reliability and enhancing overall product functionality to support InKind’s mission of empowering local restaurants through innovative financial technology.

**Responsibilities:**

* Lead the end-to-end design and implementation of scalable, high-performance React.js components using Redux for global state management in enterprise-grade financial and hospitality platforms.
* Enhanced rendering performance in React applications by applying React’s Suspense for efficient code splitting.
* Migrated JavaScript codebases TypeScript, reducing runtime errors introducing type safety large-scale React projects.
* Applied modular CSS architecture (CSS Modules with React for maintainable and scoped styles.
* Integrated TypeScript for better handling conditional rendering logic form behavior complex multi-role React platforms.
* Designed optimized MySQL schemas with advanced indexing and stored procedures for analytical workloads.
* Directed CI/CD workflows using Git and Docker to automate testing, builds, deployments on AWS.

**Software Developer**

**COMPREHENSIVE PHARMACY SERVICES (Dublin, OH) Nov 2019 - Aug 2021**

**PROJECT DESCRIPTION:** Worked on developing and maintaining a secure, cloud-based platform used by hospital and retail pharmacies to manage medication inventory, compliance reporting, and clinical workflow automation. The project aimed to enhance operational efficiency, regulatory compliance, provide real-time insights across pharmacy operations.

**Responsibilities:**

* Developed multi-step forms with HTML5 field types while utilizing built-in validation rules to reduce frontend form errors.
* Leveraged CSS3 filters and blend modes to create visually rich UI components in React apps without relying.
* Refactored legacy JavaScript codebases into modern ES6+ React applications and reducing technical debt.
* Implemented strongly typed custom hooks and context APIs in TypeScript, predictability of shared application state.
* Ensured HTML5 accessibility across React applications, improving compliance with accessibility standards (WCAG).
* Developed custom CSS3 themes and design systems, aligned with brand guidelines, and consumed within React projects.
* Migrated legacy state management solutions to Redux, improving scalability and reducing duplicated state logic.
* Developed custom React hooks for encapsulating RESTful API requests and state, ensuring reusability across components.

**Software Developer   
Mr. Cooper, Texas Jun 2017 – Oct 2019**

**PROJECT DESCRIPTION:** Worked on large-scale mortgage servicing platform designed to streamline loan origination, processing, and servicing for one of the largest home loan servicers in the U.S. The project aimed to automate key aspects of the mortgage lifecycle, improve data integrity, ensure compliance with federal regulations, and enhance the customer experience through a secure digital portal.

**Responsibilities:**

* Introduced React applying state management solution Redux complex data flows, integration existing systems.
* Developed server-side logic backend services using Node.js, event-driven architecture concurrent requests asynchronous.
* Integrated Node.js with RESTful APIs front-end frameworks to data flow and real-time interactions clients and servers.
* Employed advanced HTML, custom data attributes web components dynamic content manipulation state management.
* Crafted responsive layouts using CSS, employing techniques such as Flexbox and Grid to create dynamic, adaptive designs.
* Integrated third-party libraries and APIs with JavaScript to add functionality improve user experience.

**Software Developer   
Etsy, New York Apr 2015 - May 2017**

**PROJECT DESCRIPTION:** As a Software Developer at Etsy, I contributed to the development and optimization of several core platform features aimed at improving buyer experience, seller tools, and site performance. I collaborated cross-functionally with product managers, designers, and data analysts to deliver high-impact features like personalized product recommendations, search relevance improvements, and seller dashboard enhancements.

**Responsibilities:**

* Implemented client-side form validation and error handling using JavaScript.
* Aligned frontend error messages in React with backend exceptions tested via Junit.
* Optimized web performance by handling with Vanilla JavaScript, bypassing React rendering for non-critical components.
* Optimized React applications with techniques improving application and experience for clinicians and pharmacists.
* Developed a reusable React component library for efficient UI implementation.
* Implemented state management using Redux and Context API to synchronize data across microfrontend modules.
* Developed type-safe applications with TypeScript, leveraging its static typing features to improve code.
* Implemented print-specific styles using CSS3 proper rendering of invoices and documents directly from React web apps.
* Developed responsive web pages using semantic HTML markup, compatibility across various browsers and devices.

**EDUCATION**

* Benha UNIVERSITY - Bachelor’s degree in computer engineering, 2015.

* - Applied design patterns for scalable application development
* - Used Spring MVC for web application development
* - Created RESTful APIs with comprehensive error handling
* - Built microservices using Spring Boot with auto-configuration
* - Created reusable UI component libraries
* - Utilized Redux for state management
* - Implemented CloudWatch for monitoring and logging
* - Implemented component-based architecture patterns
* - Implemented microservices architecture with Spring Boot
* - Developed responsive single-page applications
* - Deployed applications on EC2 instances with auto-scaling
* - Developed enterprise-grade applications using Java 8-21 features
* - Configured RDS for database management and backups
* - Implemented Spring Security for authentication and authorization
* - Utilized Lambda functions for serverless computing
* - Developed batch processing solutions with Spring Batch
* - AWS