Dinesh Tathekalva

Sr. Software Engineer II

Profile

Actively seeking a software engineer contract position where I can apply my 9+ years of experience and a solid understanding of programming.

Employment History

Sr. Software Engineer II at Double Verify, Dallas, Fulltime

January 2023 — Present

- Developed and maintained scalable and secure web applications supporting digital media measurement, aligning with Double Verify's mission of ensuring a safe and effective ad ecosystem.
- Enhanced UI performance and user experience by optimizing React components and implementing reusable components.
- Collaborated closely with cross-functional teams (QA, product, and analytics) to deliver data-driven features that improved campaign verification and reporting capabilities.
- Contributed to integration of third-party APIs and internal RESTful services for real-time data validation and reporting, increasing system accuracy and reliability.
- Implemented robust test coverage (using Cypress & Jest) to ensure integrity of ad analytics dashboards, significantly reducing regression issues and improving deployment confidence.
- Consistently committed numerous high-quality pull requests daily and conducted thorough code reviews, ensuring performant, maintainable, and production-ready code was delivered across the team.
- Contributed to the internal React component library built on Material UI 5 by developing reusable, accessible components aligned with design system guidelines, accelerating frontend development and ensuring UI consistency across platforms.

Sr. Software Engineer at Neiman Marcus Group, Dallas, Full-time

April 2022 — December 2022

- Refactored the frontend architecture from class-based to functional React components, leveraging hooks (useState, useEffect, useContext, useReducer) to enhance code modularity, reusability, and lifecycle management.
- Integrated and extended a shared UI component library using Material UI v5, building scalable, theme-aware, and accessible components to accelerate development velocity and enforce design consistency.
- Proactively contributed to application stability by identifying and resolving high-impact bugs across multiple modules using debugging tools (e.g., React DevTools, Redux DevTools, browser profiling).

Details

Dallas, 75071
United States
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Links

GitHub
Linkedin
Portfolio

Skills

HTML5, CSS3, Sass, LESS

Responsive Web Design

Material-UI, Bootstrap 4, Skeleton

JavaScript, ES6, TypeScript, Java

React.js, Redux, React Native, Angular.js, Redux-saga, React-Hooks

AJAX, Fetch, Axios

RESTful Web Services, spring boot

Enzyme, Jest, Jasmine, Cypress

Node.js

Webpack, Gulp, Babel, Git

D3.js, Highcharts, Google Charts

Figma, Zeplin, InVision, Miro

Agile software development, JIRA, GitHub, Bitbucket

Jenkins

Hobbies

Astronomy, Biking, Photography, Hiking, Backpacking(Newbie)

- Developed and shipped new features in a mission-critical order placement application for sales associates, utilizing RESTful APIs, dynamic forms, and state management patterns (Redux + Context API).
- Optimized rendering performance through memoization techniques (React.memo, useMemo, useCallback) and virtualized lists for improved responsiveness in large data-driven UI views.
- Performed code reviews and CI checks on numerous pull requests, ensuring adherence to best practices in performance and scalability.
- Instrumented key application flows with logging and performance monitoring using tools such as Sentry, New Relic, and browser performance APIs.
- Wrote unit and integration tests with Jest and React Testing Library to maintain high test coverage and minimize regression risk in user flows.

Software Engineer at Fetch Package, Austin, Full-time

October 2020 — April 2022

- Developed a customer-facing single-page React application used by warehouse staff, delivery drivers, and residents to manage and track package deliveries, contributing directly to the platform's user adoption and operational efficiency.
- Collaborated closely with product managers and designers to translate user feedback into features that improved task workflows, reduced delivery friction, and enhanced overall UX.
- Implemented dynamic, responsive UIs with React (hooks, context) and Material UI v5, ensuring mobile-first compatibility for warehouse and on-the-go users.
- Delivered new product features such as package lookup, status updates, and real-time alerts, supporting Fetch's goal of eliminating missed deliveries and resident frustration.
- Led end-to-end test implementation using Cypress, enabling fast feedback loops and higher release confidence in a rapidly evolving product.
- Resolved numerous production bugs and edge cases, contributing to a more polished, stable product experience across user roles.

Software Engineer at Walmart, Dallas, Contract

December 2019 — October 2020

- Architected and developed a scalable Warehouse Management System (WMS) from the ground up to support complex fulfillment operations across multiple warehouses.
- Engineered core functional modules including Receiving, Putaway, Order Picking, Packing, and Shipping, with real-time status tracking and exception handling workflows.
- Built responsive, role-specific UI dashboards with React and Redux to streamline warehouse floor operations and improve visibility into order and inventory statuses.
- Leveraged WebSockets and RESTful APIs to provide real-time updates for order progression, inventory changes, and task assignments across distributed teams.

- Implemented barcode scanning and interactive workflows to digitize inventory movement and reduce human error across inbound and outbound processes.
- Optimized frontend performance using lazy loading, memoization, and code-splitting techniques to ensure low-latency interactions even on high-volume days.
- Utilized modern development practices including Git-based workflows, CI/CD pipelines, code linting, and pull request automation to maintain code quality and accelerate deployments.
- Achieved measurable improvements including a 40% reduction in order-to-ship time and over 30% improvement in task efficiency during peak operations.

Software Engineering at Visa Inc, Foster City, Contract

January 2019 — December 2019

- Collaborated with the design and marketing teams to deliver the Visa Travel Predict single-page campaign application, built with React and optimized for high-performance, responsive user experiences across devices.
- Implemented dynamic content rendering, scroll-based animations, and geo-targeted features to enhance engagement and align with Visa's global campaign objectives.
- Optimized SEO and page load speed using server-side rendering (SSR), code splitting, and lazy loading techniques to ensure optimal performance for campaign traffic spikes.
- Contributed to the development of an internal design system and reusable component library, built on Material UI v5, ensuring visual consistency and speeding up delivery timelines across multiple web properties.
- Worked closely with UI/UX designers to translate Figma prototypes into pixel-perfect components, applying best practices in accessibility (WCAG) and responsive design.
- Instrumented key campaign metrics and user interactions using tools like Google Tag Manager and analytics libraries to support A/B testing and performance reporting.

Software Engineer at Insurance Auto Auctions, Chicago, Contract

December 2017 — December 2018

- Developed and maintained a Bootstrap-based internal React component library, facilitating consistent UI development across multiple teams and applications at IAA.
- Engineered reusable, accessible React components aligned with IAA's design standards, improving development efficiency and user experience across the platform.
- Collaborated with cross-functional teams, including designers and product managers, to translate design specifications into interactive, responsive components using React and Bootstrap.
- Integrated components with IAA's digital auction platforms, such as AuctionNow, enhancing the functionality and responsiveness of the user interfaces.

- Optimized component performance by implementing best practices in React, including the use of hooks and memoization techniques, leading to faster load times and improved user engagement.
- Contributed to the documentation and onboarding materials for the component library, streamlining the adoption process for new developers and ensuring consistent usage across projects.

Software Engineer at SAP, Palo Alto

August 2015 — October 2017

Stanford Medicine:

- Developed a single-page React application for Stanford Medicine as part of a precision health initiative, enabling clinicians and researchers to perform genome variation analysis and visualize test results through interactive data visualizations and filters.
- Collaborated with bioinformatics experts and backend engineers to implement complex UI workflows for genetic marker input, report generation, and data review, ensuring clinical usability and HIPAA compliance.
- Implemented responsive and accessible frontend components using React, Redux, and D3.js for high-quality data rendering across devices and screen sizes, improving decision-making efficiency for medical staff.

IoT Heatmaps:

- Built an internal facility intelligence dashboard that visualized real-time human activity and heatmap overlays using data from motion and heat sensors embedded throughout smart buildings.
- Integrated IoT sensor data streams into the frontend through WebSocket and RESTful APIs, enabling real-time visualization of occupancy patterns and activity hotspots across facilities.
- Optimized the application’s performance for large-scale data rendering, using virtualization techniques and debounced updates to ensure smooth user interaction even under heavy sensor input loads.
- Collaborated with SAP Leonardo and IoT teams to align with smart building initiatives and contribute to internal tools supporting sustainability and space optimization efforts.

Web Developer at Tata Consultancy Services, India

July 2011 — December 2012

Developed an internal web application for Bank Of America(client).

Education

Masters in Software engineering, San Jose State University, San Jose, CA

January 2013 — May 2015

Bachelor of Technology in Computer Science and Engineering, SRM University, Chennai, India

August 2007 — August 2011