


# Deepak Chapagain

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## PROFESSIONAL SUMMARY

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Software Engineer with 6+ years delivering enterprise-scale web and mobile features in React (React.js, React Native, TypeScript). Ship accessibility (WCAG 2.1 AA), performance-minded UIs with observability (Dynatrace, Quantum Metric, Analytics), and CI/CD (Jenkins, GitHub Actions) in Agile teams. Upskilling in Express.js (Node.js backend) and Cypress (E2E testing); Infosys React Professional and Microsoft Azure Fundamentals (AZ-900) certified.

## CORE SKILLS

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- **Front End:** React (React.js), React Native (RN), TypeScript (TS), React Hooks, Redux/Redux-Saga, Redux Toolkit (RTK) query, React Router, React Navigation, HTML5, CSS3/SCSS, Responsive Design
- **Testing:** Jest, React Testing Library; learning Cypress (E2E).
- **CI/CD & Tools:** Git/GitHub, GitHub Actions, Jenkins (user-level), SonarQube (usage), Webpack/Babel, NPM/Yarn.
- **APIs & Data:** RESTful, GraphQL.
- **Accessibility & Cloud:** (WCAG 2.1 AA) WAVE, Accessibility Inspector, Microsoft Azure (AZ-900).
- **Observability & Perf:** Dynatrace, Quantum Metric, Splunk, Crashlytics, DevTools, Profiling.

## WORK EXPERIENCE

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### Infosys Limited

Oct 2019 - Present

### Tractor Supply Company - TSC

Sept 2024 - Present

Technology Analyst

Brentwood, TN (Hybrid)

- Led a transition of key data flows from RESTful APIs to GraphQL APIs, trimming payloads and cutting over-fetching by 40%, improving p90 render by 120ms for a retail app.
- Implemented WebView in a React Native app with seamless JWT - cookie session sync; integrated a third-party fraud vendor to cut fraudulent orders, reduced login errors by 10%, which lifted conversion by 1.45 pp and approval by 22% (by order count).

### Southern California Edison - SCE

Nov 2020 - Aug 2024

Technology Analyst

Richardson, TX (Remote)

- Delivered e2e web application features using React, Redux, and React-Router, ensuring adherence to Agile methodologies and Scrum practices for iterative feature delivery in sprints.
- Collaborated with cross-functional teams to deliver performant, maintainable, WCAG 2.1 AA-accessible UI components (WAVE pass rate  $\geq 75\%$ ); refactored legacy React (classes to hooks/functions) and unified state with Redux-Saga, reducing bundle size by 9%.
- Established a testing culture with Jest + RTL, raising unit coverage to 80% (85% on PRs); built Dynatrace, Quantum Metric, and Splunk dashboards for proactive monitoring, reducing incident reports by 12%

## EDUCATION

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### Louisiana State University - Shreveport

Jul 2025

MBA

Shreveport, LA

- GPA: 3.7/4.0

### Mississippi State University

May 2019

B.S, Computer Engineering

Starkville, MS

- Undergraduate Research Award; Phi Theta Kappa Scholarship; President's Honor Roll Award.
- Intramural Soccer Team; Cultural Coordinator of Nepalese Students Association; IEEE, ACM.

## CERTIFICATIONS, AWARDS, & INTERESTS

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- **Awards:** 2x Rising Star (Infosys Award).
- **Interests:** Soccer, Cricket, Workout, Traveling, Hiking, and Sightseeing (39/50 states visited).