Amritvir S. Randhawa

React Web and Native/UI Frontend/Full Stack Developer

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**Client: Optum Tech (UHG), Minnetonka MN. July 2022 – April 2025**

**Role: ReactJS developer**

Project Overview:

The Engineering Hub is a comprehensive web application designed to enhance productivity for engineers at Goldman Sachs. It serves as a central platform for onboarding developers, providing access to various platforms, products, and communities. Key features include:

• Spotlights: Access to the full report of the DevEX Annual Survey.

• Platforms: Exploration of various platforms and their offerings at Goldman Sachs.

• Products: Information on the latest development tools and products, including onboarding instructions and reference documentation.

• Happy Paths: Solutions for common engineering requests, architectural patterns, and integrated guides across platforms.

• Communities: A space for engineers to connect, share interests, and collaborate on improving their craft.

**Responsibilities:**

• Developed the application using Gatsby and React for optimal performance and

scalability.

• Created and maintained multiple components such as Home, Platform, Products,

and Spotlight pages.

• Designed responsive, reusable React components and standalone functions to

support future page development.

• Implemented a code converter feature to display multi-language code snippets

based on user selection.

• Integrated Axios for handling HTTP requests within the application.

• Automated functional testing using Cypress and conducted integration testing to

ensure high-quality code.

• Wrote unit tests using Jest and Enzyme, improving test coverage and code

reliability.

• Identified and resolved issues in the Gatsby pipeline, ensuring smooth build and

deployment processes.

• Managed version control using GitLab, regularly pushing updates and collaborating

with the team.

• Utilized JIRA for bug tracking, managing, and maintaining an organized history of

issues and tasks.

**Client: Goldman Sachs, New York March’ 2020 – July’2022**

**Role: React Web and Native Developer**

Project Overview:

The UHC Find Care platform allows UHG for 4-5 line of business members to search for

healthcare providers via web and native app experiences. Key features include:

• Autocomplete keyword search

• Contextualized search for dependents, gated and non-gated subscribers

• Configurable care category landing pages

• Claim-based last visit information

• Common searches and benefits

• Map view for search results and provider access

• Provider comparison and sharing

• Tiers and premium membership identification

**Key Responsibilities:**

• Led onboarding for new team members, including junior developers, providing setup guidance, access documentation, and procedural training.

• Set up native project repositories, managed team access, and established communication channels to optimize workflow.

• Managed the Rally board, led Daily Standup (DSU) meetings in the Scrum Master's absence, ensuring team alignment.

• Organized and led Sprint planning sessions for both web and native teams, facilitating cross-team collaboration.

• Designed scalable, high-performance web applications with React.js, ensuring cross-browser and device compatibility.

• Utilized React Hooks, Redux for state management, and React Router for navigation to optimize performance.

• Implemented performance enhancements like lazy loading and code splitting to reduce load times.

• Integrated third-party APIs to improve user experience, including AI-powered search and dynamic data fetching.

• Created reusable, modular React components to speed up development and maintain consistency.

• Developed and maintained cross-platform React Native apps for iOS and Android, optimizing performance and accessibility.

• Led the creation of custom UI components, integrated native modules, and ensured platform-specific optimizations.

• Utilized React Native Navigation for smooth transitions and deep linking across platforms.

• Integrated native APIs (camera, GPS, push notifications) for location-based services and real-time alerts.

• Addressed performance issues, including memory leaks, through efficient state management and re-rendering optimization.

• Collaborated with the design team using Figma to ensure UI fidelity to design mockups.

• Led the integration of Mapbox into both React Native and web apps, developing custom libraries to meet business needs.

• Implemented location services, collaborating with backend and AWS teams for geolocation and routing functionalities.

• Integrated Google Maps into both React Native and web apps, enabling interactive map views for provider searches and real-time navigation.

• Used the Google Maps API to enhance features like search result markers, location tracking, and optimized routing.

• Worked with backend teams to integrate GraphQL queries and mutations for efficient data handling.

• Collaborated with AWS teams to integrate cloud services, ensuring scalability and reliability.

• Partnered with design teams to create user-centric UI components using Figma for both React Native and web apps.

• Led user story presentations and demo sessions to showcase completed features and gather feedback.

• Collaborated with UI/UX and QA teams to implement and maintain WCAGcompliant UI components, ensuring screen reader compatibility and intuitive

**keyboard navigation**

• Implemented semantic HTML, and proper focus handling to enhance usability for users with disabilities.

• Maintained a code quality rating of 75-80%, addressing security alerts, performance issues, and conducting code reviews to ensure consistent quality.

• Promoted best practices, including component-based architecture, DRY principles, and automated code quality checks.

• Coordinated manual testing efforts for the native app using Sauce Labs, ensuring thorough cross-browser and cross-platform compatibility.

• Led the creation and execution of automated test scripts with Appium, integrated with Sauce Labs for continuous testing and early issue detection.

• Integrated Playwright for end-to-end web testing, ensuring browser compatibility and smooth user interactions across multiple environments.

• Created and maintained multiple reusable components.

# SKILLS

* **Programming Languages:** JavaScript (ES6+), TypeScript, Python, Kotlin, Dart, SQL
* **Frontend:** React.js, React Native, Next.js, HTML5, CSS3, TailwindCSS, Redux, Bootstrap, Chakra UI, React Hook Form
* **Backend:** Node.js, Express.js, AWS (DynamoDB, Cognito, S3), Firebase, REST, MongoDB, SQL, MySQL, PostgreSQL, Django
* **Tools & Frameworks**: Redux, WebSockets (Socket.io), React Router, GraphQL, Apollo, JWT, Jest, Vite, Redis, Docker, JIRA
* **Others:** Git, GitHub, Linux, Jenkins, Expo, Framer Motion, Agile (Scrum), Team Collaboration, Problem-Solving

# EDUCATION

## California State University of Chico Chico, California

*Bachelor’s Degree in Computer Science - (1-time* ***Dean Honor Award*** with a **3.7 GPA***)*