Chandra Prakash
Software Engineer - Web
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PROFESSIONAL SUMMARY

- Demonstrated proficiency in full-stack development, specializing in **JavaScript, HTML, and CSS**, with expertise in popular front-end frameworks such as **React, Angular, Next.js, and Gatsby.js.**
- Skilled in functional component development using **React Hooks**, and adept at **Redux** for state management and designing complex Redux store architecture for large-scale applications.
- Utilized performance optimization techniques like **useMemo**, **useCallback**, and **Context API** to ensure efficient React component rendering and state sharing.
- Experienced in **React Router** for client-side routing, **TypeScript** for type safety, and debugging React and Redux applications using tools like Redux DevTools.
- Well-versed in writing comprehensive unit and interaction test cases using **Jest, React Testing Library, and Storybook,** ensuring high code quality and preventing regressions.
- Proficient in back-end development using **Node.js, Express.js,** and databases like **MongoDB and MySQL**, and capable of designing scalable cloud-based systems using **AWS S3, Lambda, and CloudFront**.

TECHNICAL SKILLS

Web Development
React | Redux | JavaScript | TypeScript | HTML5 | CSS3 | Node JS

Frameworks
Next.js | Angular 8 | Gatsby | Testing Library (React) | Jest | Storybook | Material | Bootstrap | Express.js

Database
MongoDB | MySQL

Cloud
AWS – S3 | EC2 | CloudFront | Lambda

IDE and other tools
Visual Studio | Postman

Others
GraphQL | Vercel | GitHub | Docker | Microservices Architecture | SQL | NOSQL | Agile Methodology | CI/CD | JIRA | SEO

WORK EXPERIENCE
Consultant
Responsive Ads Inc. – Vancouver, BC, CA   **May'2023 – Now**

- Conducted comprehensive research on a range of **test automation tools**, meticulously evaluating their capabilities and features. This informed decision-making process culminated in the identification of a well-suited automation solution tailored precisely to project requirements, showcasing my strategic approach to technology selection.
- Leveraged my expertise in **Svelte** and **TypeScript** to architect a highly versatile QR Code component. Through a meticulous design process, I ensured its reusability across various scenarios, reflecting my commitment to creating efficient and adaptable code structures.
- Undertook a seamless migration initiative, transitioning a legacy **Angular JS** component to the Svelte framework. This multifaceted task involved deep technical understanding, codebase optimization, and meticulous quality assurance, exemplifying my proficiency in modernizing technology stacks.

Software Engineer – II
Cisco Systems Pvt. Ltd. - Bangalore, KA, India.   **Jan 2021 – Aug 2022**

- Key team member at Cisco Systems, leading the migration of Webex Help Center to **Next.js** framework for enhanced development speed and maintainability.
- Elevated UI component reusability by componentizing core functionalities and streamlining development processes.
- Collaborated with the design team, influencing design decisions, and enhancing product usability, resulting in improved user experiences.
- Implemented rigorous testing strategies, including unit, snapshot, and interaction tests with **JEST** and **Storybook**, reducing production bugs by 50% and increasing release frequency by 20%.
- Spearheaded **CI/CD** pipeline establishment with the **DevOps** team and conducted SPA/SSR proofs-of-concept, demonstrating in-depth knowledge of **SEO** principles.
- Developed server infrastructure on **AWS S3, Lambda, and AWS CloudFront** to support various applications.

Application Developer
IBM India Pvt. Ltd. - Bangalore, KA, India   **Nov 2018- Dec 2020**

- Developed a dynamic web app to monitor projects, risks, and finances using **Angular, Node.js, and MongoDB.**
- Ensured optimal user experiences with **responsive design** and **cross-browser testing**.
- Contributed to web app for visualizing invoices and support tickets using **React.js, Redux, Node.js,** and **MongoDB.**
- Architected **REST APIs** for seamless invoice operations and user-friendly dashboards.
- Played a key role in web app development for invoice visualization and filtering using **React.js, and Node.js.**
- Established **REST APIs** for processing Purchase Requests, Purchase Orders, and Invoices.
- Enhanced security and performance with **JWT authentication** and **Node.js** worker threads.

PROJECTS

WEBEX HELP ENABLEMENT (help.webex.com)
Purpose – To provide help for **Webex** users across the globe.
Role – Full Stack (Front End Heavy)
Company – Cisco Systems Pvt. Ltd. – Bangalore, KA, India
Description –

- Part of the core team migrating Webex Help Center to a unified framework (Next.js, React.js) to increase development speed and maintainability.
- Componentized core functionalities to improve the reusability of UI components and streamline development.
- Collaborated with the design team to improve the usability of the product by making design decisions and providing input on user experience.
- Implemented unit, snapshot, and interaction testing (Storybook) using JEST to ensure smooth production releases, resulting in a 50% reduction in production bugs and a 20% increase in release frequency.
- Worked closely with the DevOps team to establish CI/CD pipelines for the project.
- Conducted POCs around SPA/SSR, developing a deep understanding of how SEO works.
- Created REST APIs to read invoice details from Excel and enable visualization.
- Collaborated with the design team to improve the usability of the product by providing valuable input on design decisions, resulting in an increase in user satisfaction. Additionally, implemented responsive design principles to ensure optimal user experience across all devices.
- Participated in code reviews and provided constructive feedback to other developers to ensure code quality and maintainability.

Technologies: React.js, Next.js, Redux, Node.js, Jest, React Testing Library, Storybook, PostgreSQL, Amazon S3

TRANSITION STATUS DASHBOARD
Purpose - To visualize the list of projects in each account and track the accounts.
Role – Full Stack (Front End Heavy)
Company – IBM - Bangalore, KA, India
Description -
- Contributed to the development of a web application to track the status of ongoing and completed projects, including risks and mitigation plans, hiring and onboarding, and financial details.
- Interacted with clients directly to understand their requirements and provide input on design decisions.
- Created dashboards to visualize the status of accounts and their respective details, resulting in a 40% increase in visibility into project status and a 25% decrease in reporting time.
- Utilized JavaScript, HTML, and CSS to develop the front-end of the application, ensuring optimal user experience across all devices.
- Conducted cross-browser testing and resolved compatibility issues to ensure website functionality across different browsers and devices.
- Utilized Git and GitHub for version control and collaborated with other developers on the team using Agile methodologies.
  Technologies: Angular 7, Angular Material, Node.js, MongoDB

SUPPLIER PORTAL
Purpose - To visualize POs, Invoices and tickets raised for each invoice.
Role – Full Stack (Front End Heavy)
Company – IBM - Bangalore, KA, India
Description -
- Contributed to developing a web application to visualize vendor invoices and raise support tickets. Created dashboards to visualize invoices, enabling users to upload and download invoices and track their status. Utilized React.js and Redux to develop the front end of the application, ensuring optimal user experience and ease of use.
- Created REST APIs for handling invoices and establishing relationships between them in the database.
- Created dashboards to visualize invoices (upload and download invoices) and handle support tickets.
- Created REST APIs for handling invoices and established relationships between them in the database.
Technologies: React.js, Redux, Material, Node.js, Strapi, MongoDB

PEPSICO IPS TOOL
Purpose - To visualize the invoice data after processing the records based on multiple parameters like ORDER-ID, REQUESTOR etc.,
Role – Full Stack
Company – IBM - Bangalore, KA, India
Description -
- Contributed to developing a web application to visualize and filter invoice data based on multiple parameters such as ORDER-ID and REQUESTOR.
- Utilized React.js and Material-UI to develop the front end of the application, ensuring optimal user experience and ease of use.
- Created REST APIs in Node.js to process uploaded Excel sheets related to Purchase Request (PR), Purchase Order (PO), Invoices, and their respective details.
- Implemented JWT authentication and utilized worker threads in Node.js to improve application performance and ensure data security.
Technologies: React.js, Redux, Material, Node.js, Cloudant

EDUCATION
Post-Graduation
Georgian College – Barrie, ON, Canada
Sep 2022 – Apr 2023

B.Tech in Computer Science & Engineering
Dhanekula Institute of Engineering & Technology – Vijayawada, AP, India
June 2014 – Apr 2018

ACHIEVEMENTS
- Received **Manager's Choice Award** in the year 2019 in **IBM.**
- Received **Connected Recognition** twice in the year 2021 in **Cisco**