Pallavi Khedle

✉ pallavi8khedle@gmail.com   📞 (213) 569-4725   📍 Sunnyvale, CA   🔗 PallaviKhedle   🔗 PallaviKhedle   🔗 pallavi.tech

SUMMARY

Software Engineer with a multitude of experience building responsive, scalable web applications using React, TypeScript, and modern web technologies. Skilled in performance optimization, reusable component design, and managing the full development lifecycle. Expertise in state management, frontend libraries, and API integrations.

PROFESSIONAL EXPERIENCE

Frontend Developer, Model.Earth (DreamStudios LLC)   06/2024 – present | San Jose, CA
- Developed dynamic geospatial visualizations using advanced **React.js** and **Next.js**, integrating **Mapbox** and **D3.js** for interactive environmental data modeling, with real-time updates and optimized performance for large datasets.
- Optimized frontend performance, reducing load times by 30% through code-splitting, lazy loading, and memoization techniques, while managing state with **Redux**.
- Implemented **custom hooks** and **reusable components**, streamlining code across complex GIS-based projects, improving code maintainability, and boosting development efficiency by 20%, while reducing redundancy across the codebase.
- Implemented advanced **CI/CD pipelines** using GitLab CI, Docker, and **Webpack** to automate builds, **code reviews**, and deployments, reducing integration issues by 60% and improving performance with automated testing and optimizations.

Technologies: *React.js, Typescript, JS, Node.js, GraphQL, Mapbox, D3.js, Code Review, Webpack*

Design Engineer, Athletes Thread LLC   05/2023 – 04/2024 | Los Angeles, CA
- Created custom UI components with React.js and **Node**, and implemented **E2E tests** using **Cypress** to ensure brand consistency, cross-browser compatibility, and functionality, while improving test coverage and reducing bugs in production.
- Designed and implemented custom Liquid templates and **JavaScript modules**, extending Shopify's default functionality to meet complex client requirements.
- Optimized **GraphQL queries** with Apollo Client, using caching, batching, and deferred queries to reduce server load and boost performance by 25%.
- Developed an interactive product filtering system using Next.js, Redux, and **React Query**, optimizing data fetching with SSR and **caching**, and enhancing user experience through advanced state management and performance improvements.

Technologies: *React, JS, CSS, RestAPI's, Swagger, MySQL, GraphQL, Shopify*

Software Development Engineer, Relyon Soft Tech LTD   07/2020 – 07/2022 | Bengaluru, KA
- Built cross-platform application for payroll billing, boosting engagement by 40% and customer satisfaction by 25%.
- Developed interactive prototypes in **Figma** to visualize complex UI/UX flows, enabling early testing and refinement of design concepts before development.
- Implemented Redux for state management, React Native for cross-platform development, and **Material UI** for building reusable UI components, reducing server load by 35%.
- Crafted custom **TailwindCSS** utility classes for highly specific design requirements, enabling rapid and consistent UI development across multiple projects.
- Deployed apps to both the **App Store** and **Google Play**, overseeing submission and ensuring platform compliance.
- Utilized **Realm Database** for offline functionality, ensuring seamless data synchronization during connectivity loss.

Technologies: *React and React-Native, AWS, API Integration, TypeScript, Java, SpringBoot, Realm Database.*

Software Developer, 3E Software Solutions   05/2016 – 07/2020 | Bengaluru, KA
- Spearheaded the development of fully responsive, mobile-first UI designs using **CSS3, Flexbox,** and **Grid layouts,** ensuring a consistent user experience across all devices.
- Spearheaded intrusive web application development for diverse industries, integrating **Firebase** for real-time push notification features and **language translation,** now integral to Defacto's suite.
- Integrated Node.js-based GraphQL and RESTful APIs with custom apps, automating backend operations, reducing manual work by 40%, and improving scalability.
- Implemented **micro**-frontend architecture with React Query and Storybook to improve UI component reusability.
- Designed and maintained a custom component library using **Storybook** and Material UI, facilitating faster UI development and maintaining product design consistency.
- Implemented **frontend caching rules** using in-memory, and browser, reducing server load from ~160/sec to ~20/sec.

Technologies: *React-Native, Ionic, Code Migration, Python, AWS, Micro-frontend Architecture, Storybook, Figma.*

SKILLS

Frontend	Backend	Database	Tools
JavaScript, TypeScript, React, ReactNative, Redux, Context API, CSS, Bootstrap, NodeJS, GraphQL, Cypress	Java, SpringBoot, MVC, SpringMVC, Hibernate, Servlet, JSP, CI/CD	MySQL, Realm Database, Firebase, SQLite, Mongo DB(Mongoose)	Firebase, Figma, Xcode, Android Studio, AWS, REST, Google Maps

EDUCATION

Master of Science in Computer Science, California State University, Fullerton   08/2022 – 05/2024

Bachelor of Engineering, Rajiv Gandhi Proudyogiki Vishwavidyalaya   08/2014 – 05/2018