

Praju kumar Yadav Patnam

☎ +1 (334) 669-7423 | ✉ prajukumaryadavpatnam1@gmail.com | 🌐 [Praju](#) | 🌐 [Praju Kumar Yadav Patnam](#) | 📍 AL, USA

PROFESSIONAL SUMMARY

Results-driven Mobile and Full-Stack Developer with hands-on experience in building cross-platform applications using **React Native**, **Redux Toolkit**, **Node.js**, and **TypeScript**. Proven ability to design intuitive **UI/UX**, optimize mobile app performance, and integrate real-time analytics for user engagement. Adept at **REST API integration**, **Firebase**, and backend services using **Express** and **MongoDB**. Skilled in **Agile development**, version control (Git), and end-to-end delivery of scalable applications. Passionate about building innovative, user-focused solutions that enhance product value and drive business impact.

SKILLS

Programming Languages: JavaScript, TypeScript, Python, HTML5, CSS3, Tailwind CSS, JSON, XML
Frameworks & Libraries: React Native, React.js, Redux, Node.js, Express.js, Drupal, WordPress, Dynamic Yield
State Management: Redux, Redux-Saga, Context API, Redux Thunk
Databases: MySQL, MongoDB, Firebase, Supabase
Testing & Monitoring: Jest, Firebase Crashlytics
CI/CD & DevOps: GitHub Actions, Bitrise, GitLab CI/CD, Fastlane
Cloud Technologies: AWS (S3, EC2, Cognito, Cloud Functions)
Version Control & Collaboration: Git, GitHub, Bitbucket, SourceTree, JIRA, Confluence
Development Tools: VS Code, Xcode, Android Studio, Postman, Figma, Zeplin, SonarQube, Eclipse

WORK EXPERIENCE

Freelance Software Developer

Aug 2023 – Present

- Designed and maintained business websites and apps using React.js, React Native, Next.js, and Vue.js, ensuring responsive design and SEO optimization.
- Developed **cross-platform mobile applications** using **React Native**, integrating **RESTful APIs**, **Firebase**, **AWS**.
- Provided **end-to-end solutions**, including **UI/UX design**, **backend development**, **API integration**, **deployment**.
- **Stack:** React.js, Next.js, Vue.js, Vite, React Native, Node.js, GraphQL, AWS, Firebase, GCP, TypeScript, Tailwind CSS, CI/CD (GitHub Actions, Netlify, Vercel), Push Notifications, State Management

Sr. Software Engineer, Tru Equations Pvt. Ltd.

March 2023 – July 2023

- Utilized Redux for efficient state management in React applications, **integrating Axios for streamlined API calls**, which improved data flow and maintainability. Collaborated **with cross-functional teams** to define requirements, enhance **UI/UX**, and integrate new features, im- proving **user engagement**.
- Led end-to-end mobile and web app development, ensuring seamless cross-platform performance for Android, iOS, and web applications.
- **Stack:** React Native, React.js, Node.js, Firebase, AWS, Google Analytics, IoT, App Store Deployment

Software Engineer, Capgemini Pvt. Ltd.

Feb 2021 – Feb 2023

- Implemented **Firebase Crashlytics** to proactively resolve bugs, ensuring consistent functionality across platforms. and handled marketing tool-triggered events in Firebase and Exponea by tracking user navigation.
- Designed and developed **cross-platform applications** using **React Native**, **React.js**, **Vue.js**, and **Node.js**.
- Implemented **caching**, **lazy loading**, and **performance optimizations**, enhancing **application responsiveness**.
- Deployed hotfixes via Code Push to maintain uninterrupted application performance until full-scale releases.
- Managed **CI/CD pipelines** for seamless deployment using **AWS**, **Firebase Hosting**, and **Netlify** and **Agile sprints**.

- **Optimized backend data flow** by leading **API integrations** using **RESTful APIs and WebSocket's**
- **Stack:** React Native, Vue.js, JavaScript, TypeScript, Redux, Node.js, REST APIs, AWS, Firebase, WebSocket's,

Software Intern, CV Corp India

May 2019 – Feb 2021

- Designed and developed **responsive web pages** using **React**, enhancing user engagement and **accessibility**.
- Worked on **API integrations** for **real-time data handling**, improving **application functionality and performance**.
- Assisted in **quality assurance** by conducting **performance and functional testing** before deployment.
- **Stack:** **HTML5, CSS**, JavaScript, Git, Java, SQL, Python, Scrum.

PROJECTS

Maintenance Hub Application

- We developed a **Maintenance Management Application** specifically for apartment communities to streamline the resolution of maintenance issues. The system supports two **distinct logins: User, Staff /Admin**.
- Users raise maintenance requests, staff complete them, and admins handle final approval—ensuring efficient tracking and transparency in community maintenance.
- **Stack:** React Native, JavaScript, Firebase, Supabase, React Native Paper, GitHub.

Master's Research Projects

- Designed and published research papers on an E-Commerce app and secure cloud storage using hybrid cryptography, focusing on data optimization and analytics. Developed and managed relational databases using SQL for efficient data storage, retrieval, and manipulation.
- Designed and developed an interactive dashboard to showcase all projects from my frontend development training, while also mastering UI/UX screen design using Figma.
- **Stack:** Python, React.js, Figma, Vite, DBMS, AWS, Cross-functional collaboration, CI/CD pipelines, WebSockets.

Victoria Secret – E commerce Mobile App

- Developed push notifications, authentication, and profile management, boosting user engagement and improving API efficiency by 30%. Designed interactive UI components and implemented dynamic features, achieving 95% code coverage through a collaborative testing strategy. Deployed app to Google Play Store with 1,000+ downloads
- **Implemented performance tracking with Firebase** and Google Analytics to analyze user engagement and drive app improvements. efficiently managed state using Redux.
- Implemented **geolocation**, executed **dynamic functionalities** Managed **full cycle development**.
- **Stack:** React Native, Firebase, TypeScript, REST APIs, User engagement, Agile/Scrum, Performance tuning.

Boots – E commerce Mobile App

- Translated user stories into engaging and functional application features. Integrated **secure third-party payment solutions** such as **Tabby and Post-pay** to streamline transaction processes.
- Implemented **Firebase Crashlytics** to proactively resolve bugs, ensuring consistent functionality across platforms. Achieved optimal test coverage by engineering comprehensive unit tests using **Jest**
- **Collaborated with cross-functional teams** to refine app features and ensure alignment with product goals.
- **Stack:** React Native, Redux, Node.js, TypeScript, Netlify, GitHub, State Management, unit testing in JS, PostgreSQL

EDUCATION

Auburn University at Montgomery, Alabama
Masters of Science in Computer Science

Aug 2023 – May 2025

Guru Nanak Institutions Technical Campus, Hyderabad, India
Bachelor of Technology in Electronics and Communication

Aug 2016 – Sep 2020