

Praju kumar Yadav Patnam

☎ +1 (334) 669-7423 | ✉ prajukumaryadavpatnam1@gmail.com | 🌐 [Praju](#) | 🌐 [Praju Kumar Yadav Patnam](#) | 📍 A L , 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, developed, and maintained** business websites, portfolio websites, and mobile applications.
- Built **responsive and scalable web applications** using **React.js**, **Next.js**, and **Vue.js**, ensuring **high performance 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**, and **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

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

Software Engineer, Capgemini Pvt. Ltd.

Feb 2021 – Feb 2023

- Designed and developed **cross-platform applications** using **React Native**, **React.js**, **Vue.js**, and **Node.js**.
- **Optimized backend data flow** by leading **API integrations** using **RESTful APIs** and **WebSocket's**.
- Implemented **caching**, **lazy loading**, and **performance optimizations**, enhancing **application responsiveness**.
- 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.

- Managed **CI/CD pipelines** for seamless deployment using **AWS, Firebase Hosting, and Netlify and Agile sprints**.
- Deployed hotfixes via Code Push to maintain uninterrupted application performance until full-scale releases.
- **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

- **Developed a workforce management app** enabling real-time shift scheduling, employee shift swaps, and admin-controlled approvals. Led Frontend team, Owned feature development cycle. Mentored juniors.
- **Integrated real-time chat and notifications** with WebSocket's, enhancing communication and efficiency.
- **Stack:** React Native, React Native Paper, Reanimated, Node.js, PostgreSQL, WebSocket's, AWS, TypeScript, Firebase, Supabase, Figma, Adobe XD, CI/CD, Kotlin, Jetpack Compose

Master's Research Projects - AI/ML Exposure

- Designed and developed the *Rapid Gro* E-Commerce app and a *Secure Cloud File Storage* system using hybrid cryptography. Published research focused on data optimization and predictive analytics as part of a master's project.
- Designed and developed an interactive dashboard showcasing all projects completed during my frontend development training.
- **Stack:** Python, React.js, React Native, Vite, AWS, Cross-functional collaboration, CI/CD pipelines

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

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