

# Praju kumar Yadav Patnam

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## 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**.
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- 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.

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## 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

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## 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