VISWA SEKARAN

Full-Stack Engineer | React, React Native, Node.js, TypeScript

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PROFESSIONAL SUMMARY

Full-Stack Engineer with 5+ years building scalable, high-traffic web applications across React, Node.js, and TypeScript — spanning fintech, telecom, and real estate. At Verizon, delivered POS features end-to-end, from UI to backend services, growing transaction volume from USD 6B to 11.3B and cutting 215K+ annual support calls. Comfortable owning projects from 0 to 1 in fast-moving, cross-functional teams, with hands-on React Native/native-module experience (TurboModule, JSI/Fabric) from prior fintech work.

CORE SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, SQL, HTML5, CSS3
- **Frontend:** React Native, React.js, Redux, Micro-Frontend Architecture (MFE), JSI, Fabric, TurboModules, Web Accessibility (WCAG)
- **Backend & APIs:** Node.js, NestJS, Express.js, REST APIs, MongoDB
- **Mobile & Platform:** React Native New Architecture, Hermes, Firebase, CodePush
- **Testing & Quality:** Jest, Unit Testing, Code Reviews, Quantum Metric, Production Debugging, Secure Coding
- **DevOps & Tooling:** CI/CD (Jenkins, SonarQube), Git, Kibana (Logging & Monitoring), CodePush, JIRA, Agile (Scrum)

EXPERIENCE

Software Engineer | TCS (Verizon) **08/2024 – Present**

- Led the design and development of responsive Point of Sale (React) interfaces across desktop, tablet, and mobile, improving usability, accessibility (WCAG), and reliability for a 50K+ daily-transaction system.
- Designed a Redux middleware breadcrumb system that captures action trails and stack traces and flushes them to Kibana, cutting time to reproduce and root-cause hard-to-trigger production bugs from days to hours.
- Integrated RESTful APIs to enable real-time data exchange between systems, reducing processing delays and improving transaction efficiency across platforms.
- Contributed to “View Together” and “Plan Builder” — reduced order placement time by 38%, improved CSAT by 14%, cut 215K+ annual complaint calls, drove USD 2.3B in annual savings, and grew transaction volume from USD 6B to USD 11.3B.

Software Development Engineer | Mypatta (Remote) **11/2023 – 07/2024**

- Built Node.js backend services powering the document procurement workflow, redesigning the UX end-to-end to increase task completion by 25% and cut average process time by 35%.
- Developed a Node.js web-scraping integration for state land records, automating 70% of manual data entry and reducing document turnaround from days to hours.
- Scaled platform coverage from 3 to 6+ states in 6 months, growing user registrations 40% and transactions 30%.
- Used React Native, Firebase and CodePush to cut app load times 45% and ship near-zero-downtime updates, growing DAU by 20%.
- Supported 3x monthly revenue growth as the platform became a trusted real estate advisory brand in new markets.

Software Engineer | Olive Crypto **08/2021 – 11/2023**

- Built a full-featured Axis Bank UPI SDK from scratch to production in 10 months, delivering UPI functionality comparable to PhonePe.
- Built a custom in-house OTA (over-the-air) update system after identifying dependency conflicts between CodePush and the parent app, alongside integrating the Axis Bank UPI SDK into the parent app.
- Used JavaScript, React Native, native modules, CodePush, and Firebase to ship a scalable, high-performance SDK covering 37+ specialized APIs (P2P/P2M payments, balance inquiry, beneficiary management, MPIN changes).
- Built a production TurboModule bridging JSI/Fabric with native Android/iOS modules to power real-time UPI transaction handling, replacing legacy bridge-based communication.
- Supported processing of 700M+ monthly UPI transactions at a 93% approval rate, contributing to an 18% market share in India’s UPI ecosystem.
- Maintained transaction decline rates under 7% through reliability and performance work across the SDK.

PROJECTS

FlagIt — Feature Flag Management SaaS — Built a Flagsmith-inspired feature flag platform (React frontend, NestJS + MongoDB backend) with environment-based rollout, user segmentation, and percentage-based releases; deployed on Vercel with integrated auth and payments.

EDUCATION

Bachelor of Science, Computer Science — Aditanar College of Arts and Science, Tuticorin, India **06/2017 – 07/2020**

ACHIEVEMENTS

- Secured 70th position out of 2,000 participants in TCS’s CMI Code Master coding contest.
- Recognized by leadership for mentoring and leading React sessions for ∼200 participants in TCS’s Internal Tech Program.