Sanne Vermeulen Staff React Native Engineer

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PROFILE SUMMARY

- **Staff React Native Engineer** with **12 years** in mobile, **7 of them on React Native**, working on the **store employee apps** of a large Dutch supermarket chain.
- Works in languages (**TypeScript**, Kotlin, Swift), framework (**React Native**, **Expo**), monorepo tooling (**Nx**, pnpm), native (**TurboModules**, Expo Modules API) and release (**EAS Build**, **EAS Update**).
- Strongest in **monorepos shared with web teams**, **New Architecture migrations** across squads, and **offline task queues** for store devices that lose Wi-Fi in the back room.
- Works with **5 product squads**, **store operations**, the **platform and security teams** and the **web front-end chapter**, mostly through RFCs and architecture reviews.
- Runs the **mobile architecture review**, mentors **4 senior engineers**, and keeps the **React Native upgrade plan** the store app squads work from.

TECHNICAL SKILLS

Languages:	TypeScript, JavaScript, Kotlin, Swift, Objective-C
React Native & Expo:	React Native, React 19, Expo, Expo Modules API, Hermes, React Native Web
State & Navigation:	Redux Toolkit, Zustand, Expo Router, React Navigation
Data & APIs:	TanStack Query, GraphQL, WatermelonDB, SQLite, REST APIs
Native Interop:	TurboModules, Fabric, Codegen, JSI, Xcode, Gradle
UI & Animation:	Tamagui, Reanimated, FlashList, Gesture Handler
Testing, CI/CD & Monitoring:	Jest, Maestro, EAS Build, EAS Update, GitHub Actions, Sentry, Datadog

EDUCATION

Delft University of Technology — **M.Sc. in Computer Science** — Delft, Netherlands · Sep 2012 to Jun 2014

WORK EXPERIENCE

Albert Heijn — **Staff Engineer, Mobile** — Zaandam, Netherlands · Jan 2020 to Present

- Set up the **Nx** monorepo that the store employee app shares with **4 web tools** for store teams, covering API clients, design tokens and sign-in, after agreeing package owners with each team.
- Led the store apps' move to the **New Architecture** across 3 squads, replacing **9 unmaintained bridge libraries** with TurboModules or Expo modules ahead of React Native 0.82.
- Designed the release setup for the store apps on **EAS Build** and **EAS Update** with staged rollouts by region, cutting the time from a merged fix to store devices from 9 days to **under 1 day**.
- Set budgets for cold start and scan-to-result time, checked in CI on the Android handhelds stores use, keeping cold start under **2 seconds** on the oldest devices still in service.
- Wrote the RFC for feature folders, strict TypeScript and typed navigation that **5 squads** now follow, and cut onboarding for new mobile engineers from 6 weeks to **3**.

Booking.com — **Software Developer, iOS** — Amsterdam, Netherlands · Aug 2014 to Dec 2019

- Built search filters and the booking confirmation screen in Swift for the iOS app, and ran **40+ A/B experiments** on them with the product and design teams.
- Added XCUITest coverage for the checkout flow and fixed timing issues in the suite, cutting flaky UI tests in CI from 12% to **3%**.
- Reworked image loading and caching on search results, cutting memory warnings on older iPhones by **38%** over the next 2 releases.