

Abu Sayeed Afridi

Senior Software Engineer · Mobile & Web

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SUMMARY

Software Engineer with 5+ years of experience shipping production mobile and web applications used by thousands of users across fintech, hospitality, healthcare, and e-commerce domains. Core expertise in **React Native, React, Flutter**, and **TypeScript**, with a strong track record of leading teams, building offline-first architectures, and delivering polished, performant user experiences. Published open-source contributor.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Dart
Mobile	React Native, Expo, Flutter
Frontend	React, Next.js, Redux, Zustand, Tailwind, Shadcn UI
Backend & Data	Node.js, Nest.js, Supabase, SQLite, Firebase (Firestore, RTDB)
DevOps & Tools	Git, GitHub Actions, CircleCI, Biome, ESLint, Docker
Other	WebSockets, Deep Linking, Biometrics, Lottie, i18n, Analytics

PROFESSIONAL EXPERIENCE

Tecoyo Media Group — Germany

Software Development Engineer III · Feb 2025 – Present

Leading a cross-functional engineering team building **Kassenheld**, a next-generation point-of-sale platform for the hospitality and retail industry.

- Architected a **real-time multi-device mesh network** using a custom C++ WebSocket server, enabling seamless state synchronization between POS terminals, kitchen displays, and peripheral devices.
- Designed an **offline-first data engine** with SQLite + MMKV and resilient background sync to Supabase, ensuring zero-downtime operation without active connectivity.
- Implemented **fiscal compliance frameworks** (Fiskaly TSS) for legally mandated transaction tracking across German tax regulations.
- Engineered complex retail workflows: receipt splitting, multi-device state locking, multi-course meal management, and voucher administration.
- Led migration to **Expo 54/55** with strict TypeScript, Biome linting, and NativeWind—eliminating technical debt and accelerating team velocity.

Syfe — Singapore

Software Development Engineer I · Apr 2022 – Feb 2025

Core mobile engineer on a **fintech investment platform** serving users across Singapore, Hong Kong, and Australia.

- Drove a **storage architecture migration** from AsyncStorage to MMKV with a Singleton pattern and custom hooks, significantly improving read/write performance.
- Rebuilt the **authentication flow** with biometrics (Face ID / fingerprint), PIN fallback, and Google Sign-In integration for seamless, secure access.

- Led the **React Native upgrade** across iOS and Android, resolving native build dependencies and critical crash-inducing bugs.
 - Overhauled **deep linking and push notification** infrastructure, fixing unauthenticated redirection issues for a frictionless user journey.
 - Architected an in-app **NPS polling framework** to systematically capture user satisfaction metrics directly within the product.
 - Implemented **internationalization (i18n)** with Chinese language support and modularized country-specific configurations for regional scaling.
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Strativ AB — Dhaka, Bangladesh

Junior Software Engineer · Oct 2021 – Mar 2022

- Built core **live-streaming infrastructure** and real-time WebSocket services for an interactive event platform with embedded quiz functionality during live broadcasts.
 - Collaborated closely with backend teams to translate product requirements into reliable, well-tested technical implementations.
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CranTech — Dhaka, Bangladesh

React Native Developer · Apr 2021 – Sep 2021

Delivered multiple client-facing applications across healthcare, logistics, and communication verticals:

- Developed a **clinic management system** (React) streamlining patient records, appointment scheduling, and doctor workflows.
 - Built a **multi-warehouse e-commerce platform** (React Native, Node.js) for inventory and order management at scale.
 - Created a **virtual meeting application** using Jitsi Meet and Flutter for internal corporate communications.
 - Shipped an **online doctor appointment app** connecting patients to physicians with real-time availability and booking.
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IT Vanilla — Dinajpur, Bangladesh

Web Developer (Part-time) · Oct 2019 – May 2021

- Designed and delivered responsive web applications for diverse freelance clients, translating business needs into clean, production-ready interfaces.
 - Worked end-to-end from UI/UX design implementation to deployment, collaborating directly with designers and stakeholders.
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OTHER EXPERIENCE

Course Instructor · Oct 2020 – Mar 2021

Taught the **MERN stack** (MongoDB, Express, React, Node.js) to undergraduate students. Designed curriculum, delivered lectures, and mentored students through capstone projects.

Team Lead — FuelUP Education · Jul 2020 – May 2021

Led a cross-functional development team, managing project timelines and stakeholder communication to deliver educational technology products.

EDUCATION

B.Sc. in Computer Science and Engineering · Jan 2018 – Dec 2022

Hajee Mohammad Danesh Science and Technology University, Bangladesh