

Abhishek Paul

+91 9330153984 | paul.apaul.abhishek.ap@gmail.com | [LinkedIn](#) | [Github](#)

PROFESSIONAL SUMMARY

Full-Stack Mobile Engineer with **2+** years of experience specializing in **React Native** and native iOS (Swift) and Android (Kotlin) systems, with backend integration using **Spring Boot** and **AWS deployments**. Experienced in mobile architecture, secure data handling, asynchronous workflows, performance optimization, and API/authentication flows. Leverages **AI-assisted engineering** to accelerate delivery while maintaining production-grade quality.

WORK EXPERIENCE

Developer (SDE 1 - Full-Stack)
Thoughtworks

December 2023– Present
Bangalore, India

- Core engineer on [Inji Wallet](#), a production digital identity wallet piloted across **multiple countries**, currently serving **10,000+ users** for secure credential issuance and verification.
- Led design and implementation of **native module bridge layers**, enabling performance-critical SDK capabilities to be accessed from React Native
- Drove **React Native performance optimizations**, reducing screen load latency by **15%** and improving QR/data processing speed by **10%** through efficient parsing and thread management
- Architected modular SDK integrations using **Swift Package Manager** and **Gradle multi-module architecture**, improving maintainability and build reliability. Implemented **secure key storage and cryptographic operations** within mobile OS security boundaries for sensitive data handling
- Introduced deterministic state orchestration using **XState**, reducing flow-related bugs and improving stability of long-running mobile processes
- Built resilient networking layers integrating **REST APIs**, authentication flows, token exchange, retries, and failure recovery under low-connectivity conditions
- Collaborated closely with backend systems built using **Spring Boot** and deployed on **AWS**, ensuring reliable client-server integration and authentication mechanisms
- Improved reliability by establishing unit testing practices using **XCTest, JUnit, and MockWebServer**
- Automated **CI/CD** pipelines for mobile builds and releases using **Fastlane, GitHub Actions, and Gradle**, reducing manual release effort
- Leveraged **AI-assisted development workflows** for test generation, refactoring, and documentation, accelerating feature delivery by **~20%** without increasing defect rates

OPEN SOURCE CONTRIBUTIONS

Contributor to **Facebook, Authlete**, and Inji (MOSIP) — 586+ contributions across 29+ repos in 2025; 50% PRs · 43% commits · 7% code reviews

EDUCATION

B.Tech Computer Science CGPA: 9.5
Netaji Subhash Engineering College

2019-2023
Kolkata

PROJECTS

- Designed ML-based data imputation system achieving **21% higher accuracy** than standard baselines.
- Cross-platform healthcare appointment app with real-time booking and custom authentication using **React Native, Spring Boot, Firebase, and AWS**.

SKILLS

Mobile: React Native, Swift, Kotlin, Flutter, iOS, Android, Native Modules, Xcode, XState

Backend/DevOps: Java, Python, Spring Boot, REST APIs, AWS, CI/CD (Fastlane, GitHub Actions, Gradle), Docker, Git

ACHIEVEMENTS

- Best Research Paper Award (MCMCI 2021) • SIH Campus Winner