

Muhammed Hisham M

Senior Android Engineer | 10+ Years of Experience | United Kingdom

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Professional Summary

Seasoned and impact-focused Senior Android Engineer with over 10 years of experience in designing and delivering high-performing, accessible, and scalable Android applications. Expert in Kotlin, Java, Jetpack Compose, MVVM/MVI, and Clean Architecture. Proven track record in driving CI/CD pipelines, TDD, and agile methodologies (Scrum/Kanban) within large cross-functional teams.

Experience working with major UK and European brands to deliver customer-centric apps across retail, banking, and logistics. Adept at REST API integration, modern testing strategies, and ensuring app accessibility compliance. Passionate about mentoring engineers, pair programming, and adopting best engineering practices. Actively exploring Kotlin Multiplatform (KMP) and backend services with Spring Boot to support full-stack capability.

Core Technical Skills

- Languages: Kotlin, Java, Android, KMP
- Frameworks/Libraries: Jetpack Compose, Coroutines, Kotlin Flow, RxJava, Hilt, Dagger, Spring Boot
- Architecture: MVVM, MVI, MVP, Clean Architecture
- Tools & Practices: Android Studio, Git, GitLab CI, Bitbucket, Gradle, Firebase, Jenkins, Charles Proxy, Postman, Agile (Scrum/Kanban), TDD, Pair Programming
- Testing: JUnit, MockK, Espresso, JaCoCo, SonarQube, Detekt
- Backend Integration: RESTful APIs, JWT, H2, PostgreSQL
- Analytics & Monitoring: Adobe Analytics, Dynatrace
- Cloud & DevOps: AWS, Docker (exploring), CI/CD Pipelines
- Other: Accessibility best practices, OWASP security standards

Professional Experience

- ❖ **Senior Android Engineer (Contract) – Lloyds Banking Group, UK (Mar 2022 – Present)**
 - Delivered major features for mobile banking apps (Lloyds, Halifax, MBNA) using Clean MVI and Jetpack Compose
 - Championed accessibility and OWASP security compliance across multiple releases
 - Led code reviews and pair programming sessions; mentored junior engineers
 - Integrated APIs and enhanced app monitoring using Dynatrace and analytics tools
 - Contributed to technical hiring panels and agile delivery ceremonies
- ❖ **Senior Android Engineer (Contract) – Bpost, Belgium (Remote) (May 2020 – Dec 2021)**
 - Led greenfield development of postal service app using MVVM and secure authentication (OpenID, biometrics)
 - Enhanced accessibility and performance using Jetpack libraries and custom UI components
 - Established CI/CD pipeline with GitLab CI and Bitbucket
 - Collaborated with QA and BA teams, improving sprint velocity and delivery quality

❖ **Android Engineer (Contract) – Macy’s, US (Remote) (May 2019 – Feb 2020)**

- Developed a native barcode scanner using Google Vision, boosting scan speed by 60%
- Migrated legacy features to Kotlin MVVM architecture
- Collaborated with backend and design teams to improve UX and reduce app crash rate

❖ **Assistant Consultant – Tata Consultancy Services, UK & Europe (Apr 2019 – Present)**

- Delivered cross-domain Android apps in retail, banking, and travel
- Conducted Android workshops and knowledge-sharing sessions
- Received the Technical Excellence Award for engineering innovation and mentorship

❖ **Earlier Roles (2014–2019)**

- Worked in Triassic Solutions, Naga Info, Fi-es Systems, and AIV KnowTech
- Built social, e-commerce, and POS apps with REST integration, security, and rich UI

Key Projects

- Lloyds, Halifax, MBNA Banking Apps: Enhanced customer journeys and secure transactions
- bpost Kiosk App: Built secure, accessible app for postal service workflows
- Macy’s Android App: Re-architected for performance and usability
- Chat Application: XMPP-based chat with delivery receipts and media sharing
- Energy Smart Meter App: Cross-platform React Native app with camera and REST support

Recent Projects & Learning

- Kotlin Spring Boot APIs: Developed secure, scalable backend services with JWT, H2, PostgreSQL
- KMP with AI Integration: Building a cross-platform app sharing logic across Android, iOS, and web

Education

- Master of Computer Applications (MCA) – Cochin University of Science and Technology, India
- Bachelor of Science in Mathematics (BSc) – Kannur University, India

Awards & Achievements

- Technical Excellence Award – TCS
- Delivered apps used by 10M+ users across finance and retail
- Reduced crash rates by 40% via proactive testing and optimization
- Mentored 20+ developers on Android best practices and modern tools