

Matthew Horne

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Summary — Results-oriented Android developer with 5 years of experience in designing, developing, and maintaining high-quality, user-focused applications for over one million active users. Proficient in Kotlin and Java codebases, with a proven track record of enhancing applications for users and developers, optimising performance, and implementing high-impact features. A passion for solving real-world user problems and applying industry best practices to deliver innovative, reliable, and maintainable mobile applications.

Skills

Mobile Dev Android SDK, Jetpack Compose, React Native	Testing JUnit, MockK, Robolectric
Languages Kotlin, Java, JavaScript, Swift (basic)	Tools Android Studio, Gradle, Git, Firebase, Adobe Analytics, Charles, Bitrise, App Center
Architecture MVVM, MVI, DI (Dagger, Hilt), Coroutines	APIs REST, Retrofit, WebSockets
UI/UX Material Design, XML Layouts, Accessibility	

Professional Experience

AND Digital <i>Android Developer</i> Client: British Airways <ul style="list-style-type: none">Increased Kotlin adoption from 24% to 74% on a large 14 year old codebase by shaping and delivering migration to Kotlin and MVI, reducing codebase complexity and accelerating feature delivery.Raised test coverage to 80% in the refactored area with a 5x increase in overall app test coverage.Engineered and delivered an accessible COVID travel documents and passport details submission feature, reducing airport wait times by an estimated 30%.Built real-time disrupted flights feature, ensuring full accessibility and enabling users to view and take action in response to flight disruption.Optimised calls to RESTful API endpoints in collaboration with backend teams, improving data retrieval efficiency by 50%.Streamlined update deployments by coordinating with QA, product owners and dev team to efficiently deploy updates; introduced proactive release monitoring to swiftly address issues and minimise user impact, enhancing app stability.Ensured quality across all development phases by collaborating with BAs, Product Owners, Dev Leads, UI/UX specialists and QA teams; authored detailed specifications and managed end-to-end development processes ensuring the timely delivery of high-quality features.	Nov 2021 – Present
Team Null <i>Backend Developer</i> <ul style="list-style-type: none">Developed core back-end infrastructure as part of a team.Integrated cloud services for user management, reservation management, and payments.Worked with technologies such as EC2, S3, Firebase, Google Compute Engine, and Stripe.	Mar 2021 – Nov 2021
Llama Digital <i>Android App Developer</i> <ul style="list-style-type: none">Developed a prototype to upgrade their situate mapping platform with advanced features.Integrated prototype upgrades into the live platform.	Jul 2020 – Mar 2021

Education

Sheffield Hallam University
Bachelor of Science (Hons.) in Computer Science
First Class with Honours

Certifications

- PSM1 - Professional Scrum Master I

Projects

CoinWizard - Cryptocurrency Portfolio Tracker <ul style="list-style-type: none">Developed a cross-platform cryptocurrency portfolio tracking app using Kotlin Multiplatform, sharing 70%+ code between Android and iOSIntegrated real-time WebSockets API for live price tracking; interactive charts and portfolio performance analytics.Built with Kotlin Multiplatform (KMP), Jetpack Compose, SwiftUI, Ktor and implemented CI/CD pipelines for both platforms. Live on the App Store and Play Store.	January 2025
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