Matthew Horne

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Summary — Results-oriented Android developer with 4 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, Appcenter
Architecture	MVVM, MVI, DI (Dagger, Hilt)		
UI/UX	Material Design, XML Layouts, Accessibility	**APIs**	REST, Retrofit, WebSockets

Professional Experience

AND Digital   **Nov 2021 – Present**
Android Developer

Client: British Airways

– Led the initial planning/design for transforming a 14 year old codebase to MVI architecture and Kotlin.
– Developed and implemented the transformation, increasing Kotlin adoption from 24% to 74%.
– Increased test coverage to 80% in the refactored area with a 500% increase in overall app test coverage over three years.
– Engineered and delivered an accessible COVID travel documents and passport details submission feature, reducing airport wait times by an estimated 30%.
– Developed 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.

Team Null   **Mar 2021 – Nov 2021**
Backend Developer

– 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 Cloud Compute, and Stripe.

Llama Digital   **Jul 2020 – Mar 2021**
Android App Developer

– Developed a prototype to upgrade their situate mapping platform with advanced features.
– Integrated prototype upgrades into the live platform.

Education

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

Certifications

– PSM1 - Professional Scrum Master I

Projects

XLN Sales Agent App   **January 2019**

– Developed an Android app to assist sales agents manage client information, resulting in improved sales efficiency.
– Awarded for excellent communication while working in a Scrum team.
– Built with Android (Java), Firebase, and Google Maps.