JAMIE NANDHRA-PEZONE

Senior Mobile Engineer at hedgehog Lab

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SUMMARY

Currently located in the UK but looking to emigrate my family to Australia.

With over 10 years of experience developing Android applications in both Kotlin and Java, I'm passionate about crafting seamless, user-centered apps. I also have a background in web development, using PHP, JavaScript, HTML, and CSS to create engaging websites. Beyond work, I'm a smart home enthusiast and have built several Home Assistant integrations using Python—I'm always excited to dive into new languages and expand my tech skills.

EXPERIENCE

01/2025 - Present

Newcastle Upon Tyne, United Kingdom

Senior Mobile Engineer

hedgehog lab

Returned in a senior role after being made redundant from previous employment. I am currently working maintaining existing app like BNF. In addition to this I am an active participant in the companies shift to Flutter.
- Continued improvement to CI/CD pipelines.
- Part of a team, building our first greenfield Flutter app for Warburtons.

01/2024 - 12/2024

Remote, United Kingdom

Senior Android Developer

Artlume

Artlume is a TV art streaming service. Users pay a monthly subscription to get access to stream 1000s of high quality artworks, turning any screen into a personalised art gallery.

As a Senior Android Developer, I focus on creating and maintaining our Android TV application, enhancing performance, adding new features, and ensuring a seamless user experience. I collaborate daily with design, backend, iOS, and TVOS teams to deliver a cohesive, high-quality product that meets both project goals and user expectations.
- Building features within the app from pre-defined design documents.
- Created Unit tests to evaluate the overall robustness of the system.
- Liaising with backend engineer to ensure the seamless communication between the server and application.
- Create and maintain CI/CD pipelines to automate testing and releases.
- Regular problem solving with the wider team to ensure parity between platforms.
- Technologies used: Kotlin, Koin, Retrofit, Glide, Room, Junit, Espresso, Firebase.

02/2020 - 01/2024

Newcastle upon Tyne, United Kingdom

Android Developer

hedgehog lab

During my time here I worked with many clients, including big household names with millions of users. Most notably I worked with Tesco Bank.
- Worked with clients including big household names like Tesco Bank with millions of users
- Tackled technical debt by transferring to Kotlin and updating/removing deprecated code
- Collaborated with Tesco Bank's team to implement a feature for managing marketing consents and personalized offers in-app
- Created a new app section using Android Jetpack navigation component, data binding, LiveData, and ViewModels for proper MVVM architecture
- Replaced the Parse platform for API calls with Retrofit/OkHttp
- Provided maintenance and support work for clients like Jet2, Deliveroo, Kodak, BNF, LPG, PGMOL, Caroline Girvan, Honcho & Halo Solutions

EXPERIENCE

11/2014 - 02/2020

Newcastle upon Tyne, United Kingdom

Android Developer

On-trac

During this time I was principally responsible for maintaining the suite of eCOSS apps. eCOSS allowed users to view, edit and manage site safety while working on the UKs rail network. The apps were fully compliant with Network Rail standards and offered a full audit trail for companies.

As the eCOSS apps were not fit for purpose they were rebuilt to move away from a rigid web app to a flexible fully native one. This was initially done in Java, later updated to Kotlin.

The rebuilt app initially ran as a beta with Siemens Technologies before being adopted as the de-facto industry standard for managing site safety on the rail network.

Technologies Used: Java, Kotlin, XML, GCM Task Service, JsonReader/Writer, SQLite and Firebase Cloud Messaging
- Highlight your accomplishments, using numbers if possible.

03/2014 - 10/2014

Doncaster, United Kingdom

Web Designer

Multi-Web-Services.co.uk

03/2013 - 03/2014

Sunderland, United Kingdom

Management Information and Systems Development Intern

University of Sunderland

07/2012 - 02/2013

Doncaster, United Kingdom

PHP Developer

One Call Insurance Ltd.

06/2011 - 09/2011

Home Based

Webmaster

Sensory Concepts UK Ltd

06/2006 - 10/2008

Doncaster, United Kingdom

Sales Advisor

BT

EDUCATION

01/2009 - 12/2012

BSc Computing, Multimedia Development, Software Development, Software Engineering

University of Sunderland

PROJECTS

The Modern Milkman - Home Assistant Integration

📅 10/2024 - 10/2024　📍 Location

This integration synchronises your data from The Modern Milkman adds sensors to Home Assistant
- What was a successful outcome of your work? (e.g. Raised $3,000 for the charity)

Evri - Home Assistant integration

📅 09/2024 - 09/2024　📍 Location

A Python integration that adds Evri tracking data into Home Assistant
- What was a successful outcome of your work? (e.g. Raised $3,000 for the charity)

Jet2 - Home Assistant Integration

📅 09/2024 - 09/2024　📍 Location

A Python integration that brings Jet2 booking information into Home Assistant
- What was a successful outcome of your work? (e.g. Raised $3,000 for the charity)

Premier Inn - Home Assistant Integration

📅 09/2024 - 09/2024　📍 Location

A Python integration that brings Premier Inn booking information into Home Assistant
- What was a successful outcome of your work? (e.g. Raised $3,000 for the charity)

PROJECTS

Royal Mail - Home Assistant Intregration

📅 09/2024 - 09/2024　　📍 Location

A Python integration that synchronises Royal Mail tracking data with Home Assistant
- What was a successful outcome of your work? (e.g. Raised $3,000 for the charity)

Yodel - Home Assistant integration

📅 09/2024 - 09/2024　　📍 Location

A Python integration that synchronises Yodel tracking data with Home Assistant
- What was a successful outcome of your work? (e.g. Raised $3,000 for the charity)

Ryanair - Home Assistant Integration

📅 09/2023 - 09/2023　　📍 Location

This component will allow you to bring your upcoming Ryanair flight information into Home Assistant. The following informatin will be provided:

Flight Number.
Origin / Destination Airport code.
Check in open / close time.
Arrival / departure time.
Passengers name and seat number.
Mobile frienldy boarding passes.
Number of upcoming flights.
Flight cancellation status.
Ryanair user account information.
Upcoming flights count.
- What was a successful outcome of your work? (e.g. Raised $3,000 for the charity)

DVLA - Home Assistant integration

📅 01/2023 - 01/2023　　📍 Location

This component provides vehicle details of a specified vehicle into and adds a sensor to Home Assistant which can be used in your own automations.
- What was a successful outcome of your work? (e.g. Raised $3,000 for the charity)

Claude

📅 08/2019 - Present　　📍 Location

Claude is a dedicated app form patients with intermittent claudication. It has been designed to support improvement in pain-free walking distance giving greater freedom and independence.

It can also be used to accurately record progress to share with healthcare specialists.

Measuring improvement and maintaining motivation can be hard. 'Claude' has been developed to offer a way of recording walking distances and keeping a record of any pain received. By doing this it is hoped that patients will be able to see a gradual improvement in their walking distance, with a reduction in how often they get the pain and the time they spend resting to allow it to recover.
- What was a successful outcome of your work? (e.g. Raised $3,000 for the charity)

Access Points

📅 11/2018 - 02/2020　　📍 Location

OnTrac's Access Points App uses GPS to find the exact location of railway workers, and searches for the nearest access and egress point by ELR, mileage, type and local name. Once an access point has been identified, the app then automatically picks up local information, including authorised walking routes and local red zones.
Working in both on and offline moved, railway workers are ensured to always be using safe and pre-approved walking routes within the Network Rail infrastructure.
- What was a successful outcome of your work? (e.g. Raised $3,000 for the charity)

LANGUAGES

English
Advanced

TRAINING / COURSES

BSc Computing