

Gaurav C

MSc Adv Computer Science, Swansea University | Android Developer (Kotlin | Jetpack Compose | MVVM) | 3+ YOE
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PROFESSIONAL SUMMARY

Android Engineer and Developer with 3+ years of experience in building high-performance apps for 10,000+ users at Esri India. Delivered reliable Android solutions with Kotlin, Jetpack Compose, and MVVM, cutting crash rates below 1% and speeding up release cycles by 25%. Known for mentoring developers, working closely with cross-functional teams, strengthening CI/CD pipelines, and earning a **Pat on the Back award** for consistent, user-focused delivery.

SKILLS

Functional Competencies:

Android Development | Mobile Architecture (MVVM/MVI) | Clean Architecture | UI/UX Collaboration | Performance Optimisation | REST API Integration | Agile Methodologies | Testing (Unit/UI) | Cross-Functional Teamwork | CI/CD Automation

Technical Tools:

Kotlin | Java | Jetpack Compose | Coroutines | Flows | Hilt | Dagger | Android SDK | Firebase | Git/GitHub | Bitrise | Jenkins | SQL | SQLite | JSON | XML | AWS (Basic) | .NET MAUI | React Native | Flutter

EDUCATION

Swansea University

January 2025 – January 2026

MSc in Advanced Computer Science

Highlight: Focused on data science, intelligent systems, security, and formal verification, including a Dafny project proving the correctness of complex algorithms.

University of Petroleum and Energy Studies

May 2018 – May 2022

Bachelor of Technology in Computer Science

Highlight: Studied core computer science subjects and completed a published project on image segmentation titled “Feature Extraction from Live Image Using Image Segmentation – A Review (ID: CNST-114)”

WORK EXPERIENCE

Senior Software Engineer, Esri India

April 2024 – January 2025

- Led Android development for PMIDC Land Record, Green Plantation, and WCGeotag using Kotlin, Android SDK, and Esri Maps SDK, achieving **1,000+ new onboardings each month** with stable performance.
- Built scalable UI frameworks with Jetpack Compose, Coroutines, and Flow, improving responsiveness and reducing the **crash rate to under 1%**.
- Strengthened engineering quality by driving MVVM, modularisation, and code standards, and running team workshops that boosted **delivery consistency and velocity by 20%**.
- Designed CI/CD pipelines with Bitrise, Jenkins, and Git, **cutting release cycles by 25%** and optimising deployment reliability across environments.
- Partnered with designers and PMs to ship accessible features, using Retrofit, SQLite/PostgreSQL, and Firebase to **increase usability and adoption** across deployments.

- Developed and deployed GIS-based Android and React Native apps like Split Merge SOI, NATMO, BMC Mumbai, and MAHA IT, serving **10,000+ active users** across multiple government departments.
- Engineered offline-first workflows using Kotlin, Android SDK, and custom caching logic, enabling reliable **field data capture in low-connectivity regions**.
- Promoted MVVM, Hilt, and modularisation to enhance scalability and maintainability, refining **team-wide code quality and long-term project stability**, cutting maintenance effort by **30%**.
- Worked with QA, designers, and clients to ensure smooth releases, resolving issues quickly and maintaining **high app performance across deployments**, reducing production issues by **15%**.
- Earned **“Pat on the Back”** award for consistently delivering projects on time in a fast-paced environment.

OTHER WORK EXPERIENCE

- **Project Intern:** Designed geospatial workflows and supported mapping, automotive, and supply-chain use cases, strengthening data-quality checks and enabling smoother GIS operations, **HERE Technologies, Jun 2021 – Aug 2021**

COURSES AND CERTIFICATIONS

- JavaScript Zero to Expert, Issued by Udemy, 2025
- Android 14 & Kotlin Development Masterclass, Issued by Udemy, 2024
- Programming for Everybody (Python), Issued by the University of Michigan, 2023
- Bits and Bytes of Computer Networking, Issued by Google, 2023
- Object-Oriented Programming in Java, Issued by UC San Diego, 2023

PROJECTS

WCGeotag – Work Contract Geotagging System

2024

- Established an Android app for UPSIDA engineers and contractors to geotag work contracts before and after execution, using **Kotlin, MVVM, Hilt**, and Esri Maps SDK to deliver reliable field workflows.
- Added secure login, area-based access control, measurement validation, image uploads, and contract filtering with **Jetpack Compose** for responsive UI in industrial zones.
- Integrated Retrofit APIs and optimised caching for smooth uploads, supporting **1,000+ active field users** with consistent performance.
- Used **Bitrise and Jenkins** pipelines for automated builds and testing, ensuring stable releases across environments.

Tech: Kotlin, Jetpack Compose, MVVM, Hilt, Android SDK, Esri Maps SDK, Retrofit, SQLite, Firebase, Bitrise, Jenkins

PMIDC Property Editing & Asset Geotagging

2024

- Created a GIS-based Android app for municipal staff to search, edit, and geotag property records using **Kotlin, MVVM, Hilt**, and Esri Maps SDK, enabling accurate property updates.
- Constructed search flows, parcel validation, image uploads, and distance checks using **Jetpack Compose** and Coroutines for a responsive field UI.
- Enabled **1,000+ municipal users** to update property details directly in the field through stable API workflows and optimised location-handling logic.
- Automated build/test pipelines with **Bitrise and Jenkins**, improving deployment consistency for multi-city rollouts.

Tech: Kotlin, Jetpack Compose, MVVM, Hilt, Android SDK, Esri Maps SDK, Retrofit, SQLite/PostgreSQL, Firebase, Bitrise, Jenkins