

Dhanush Kumar K

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Summary

Results-driven **Software Engineer** with a strong foundation in **object-oriented programming, data structures, and algorithms**. Proficient in designing, developing, and optimizing **scalable software solutions** using modern technologies. Skilled in **Java or Kotlin**, with experience in **full-stack development, backend services, and database management**. Adept at working in **Agile environments**, collaborating with cross-functional teams, and implementing **best coding practices**. Passionate about solving complex problems and continuously learning emerging technologies to build innovative solutions.

Education

Ballari Insitute of Technology and Management, B.Tech in Electronics and Communication Oct 2019 – May 2023

- CGPA: 8.59/10

Experience

Software Engineer, TCS – Bengaluru Oct 2023 – Present

- Part of a team **Digital Key** – Nissan Motors Co. Ltd. Developed a secure and user-friendly digital key application for automobile enabling seamless authentication and access control.
- Key Responsibilities:**
- Designed and implemented the application architecture using MVVM for maintainability and scalability.
- Utilized Kotlin Coroutines for efficient asynchronous programming and improved app performance.
- Integrated Hilt for Dependency Injection to enhance modularity and testability.
- Managed UI state effectively with LiveData and ViewModel to ensure a smooth user experience.
- Implemented the Navigation Component for structured and intuitive app navigation.
- Ensured code quality and best practices through unit testing and code reviews.
- Tech Stack:** Kotlin, LiveData, MVVM, Coroutines, ViewModel, Dependency Injection (Hilt), Navigation Component.

Full Stack Java Developer , Pentagon Space Feb 2023 – Mar 2023

- Gained hands-on experience as a Full Stack Java Developer .
- Honed my skills in front-end technologies like HTML, CSS, and JavaScript and Bootstrap as well as back-end development using JDBC and MySQL. .
- Collaborating with cross-functional teams to enhance user experience and develop features optimize database structures, and write efficient SQL queries.
- This internship solidified my foundation as a well-rounded developer and emphasized the importance of teamwork in delivering top-notch software solutions.

Technologies

Languages: Java, Kotlin, Javascript, Python

Native Android: MVVM, LiveData, Coroutines, ViewModel, RoomDB, DI Hilt, Navigation Component, Firebase.

Version Control: Git, GitHub, GitLab.

Other: Html, CSS, React, Flutter, Jetpack Compose, React, Nodejs MongoDB.

Projects

Quake Report (Android Application)

2021

- Developed an app using Java that displays the details of recent Earthquakes around the world, details like magnitude, location and time are displayed. Listing earthquakes according to user preferences eg. ordering the earthquake list based on their magnitude or time of occurrence.
- Tech Stack: Java, Android Studio, Postman.

Music Instrument Rental System (Web Application).

2022

- The Music Instrument Rental System is a web-based application designed to streamline the process of renting music instruments. The system serves as a platform for both customers and instrument owners, providing an intuitive interface for browsing available instruments, placing rental requests, and managing instrument listings and instrument catalog with details and availability status. Features include Instrument rental, order management, and due date tracking. Admins can manage instrument inventory, add new instruments, and update availability status.
- Tech Stack: Html, CSS, Javascript, Bootstrap, JDBC, SQL.

Flash Chat (Mobile Application)

2023

- Developed a Fully functional Flutter chat application with a Firebase backend , Real-time messaging app with User registration, Authentication and Responsive user interface design. Frontend Framework: Flutter, Backend: Firebase (Firebase Authentication, Cloud Firestore).
- Tech Stack: Dart, Flutter, Android Studio, Firebase.

Note (Mobile Application)

2024

- Developed a **Notes Application** using **Kotlin**, implementing **MVVM architecture** with **ViewModel**, **LiveData**, and **Data Binding** to ensure a responsive and maintainable codebase. Integrated **Room Database** for efficient local data storage and retrieval, and utilized **Navigation Components** to manage seamless transitions between **Fragments**. **Hilt** for dependency Injection. This project enhanced my proficiency in modern Android development practices and architectural patterns.
- Tech Stack: Kotlin, Android Studio, LiveData, MVVM, RoomDB, Navigation component, Hilt.

Certifications

J2EE Certified by Wipro Talent Next.

Complete Kotlin Development masterclass. (udemy)

Ultimate Front-End Bootcamp: CSS, Bootstrap, JQ, JS, React. (udemy)

Hands-On React. Build advanced React JS Frontend with expert (udemy)