

JAY SINGH

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SKILLS

- **Programming Languages:** Java, Kotlin
- **Mobile Development Tools:** Android SDK, Android Studio
- **Database Management:** SQLite, Firebase, SQL Server JDBC (jTDS), FTP Integration
- **UI/UX Design:** XML, Material Design
- **Version Control:** Git, GitHub
- **API Integration:** RESTful APIs, JSON
- **AWS Cloud:** Media Live, MediaStore, MediaTailor, etc.
- Team Work, Leadership

PROFILE

Android Developer with expertise in Kotlin, Java, Android SDK, WebView-JavaScript integration, Firebase, SQLite, FTP, and MSSQL (via jTDS, JDBC). Developed enterprise apps involving image capture, location tagging, metadata processing, and cloud streaming (AWS, EC2, MediaStore). Strong hands-on experience in live production systems like Waves OTT and ePTW. Seeking opportunities to apply practical knowledge in a results-driven development team.

WORK EXPERIENCE

Technical Application Engineer

Vensysco Technologies | Noida

Feb 2024 - Present

Project Description:

- The Waves OTT App is an Over-The-Top (OTT) streaming platform designed to deliver high-quality video content across various devices (Web, Mobile, TV & Tablet).
- The app allows users to stream movies, TV shows, documentaries, and live on-demand content, audio, photos, and shopping features such as personalized content recommendations, user subscriptions, and an easy-to-navigate interface.
- The primary goal of this project was to create a seamless video streaming experience, leveraging cloud infrastructure for scalability and media storage.

Waves OTT App / Web / TV (Prasar Bharati)

Key Responsibilities:

- **Content Management:** Imported media from AWS S3 to the backend, ensuring efficient storage and retrieval of large media assets.
- **MetaData Creation:**
 - Generated and managed metadata schemas for efficient content categorization and searchability across the OTT platform.
 - Automated metadata import by converting CSV to JSON using Postman, improving processing speed by 40%.
- **Content Distribution:** Coordinated with the Production API to send and synchronize content to CIS (Content Information System), ensuring that content was available for streaming and metadata was correctly linked.
- **Integrated Video Streaming Features:** Integrated streaming functionality by incorporating video player components, ensuring smooth video playback and adaptive streaming quality.
- **Cloud Services:** Utilized AWS Cloud services, including IAM User, EC2, and CLI for efficient management and deployment.
- **Media Management (Dalet Flex):**
 - Worked with Dalet Flex MAM for organizing and managing media assets.
 - Ensured scalable and secure cloud infrastructure for video and audio streaming services.

EDUCATION

B.Tech(CSE) **2019-2023**

AKTU, Lucknow

B.Tech (CSE) graduate skilled in Java, Kotlin, and mobile app development, seeking an entry-level opportunity to apply technical expertise and problem-solving abilities.

Intermediate **2018**

Nehru I C Pahar, Pur Subas,
Unnao

HighSchool **2016**

Higher Secondary School, Aram,
Unnao

LANGUAGES

Hindi 

English 

PROJECTS

1. ePTW Android App (Aditya Birla Grasim Chemicals)

Project Description:

- An industrial Android app developed for **Aditya Birla Grasim Chemicals**, designed to streamline permit approvals by capturing images, location data, and device metadata, and updating it directly to an MSSQL database via FTP and JDBC —without using APIs.
- Integrated with an existing web-based ePTW system using WebView and JavaScriptInterface.

Key Responsibilities:


- Captures images via the device camera or gallery, shows preview instantly.
- Retrieves and displays real-time location (latitude, longitude) using FusedLocationProvider.
- Uploads captured images to a remote FTP server.
- Updates remote MSSQL Server with FTP path and device metadata using jTDS JDBC driver, without using any API or PHP layer.
- Shortens image filenames dynamically and adds ... prefix for display and upload.
- Works with customized WebView integration to trigger camera from an embedded webpage.

Technologies Used:


Kotlin, Android SDK, WebView, FTP (Apache Commons Net), jTDS JDBC, MSSQL, Location API, FileProvider, Threading

 **ePTW App** – [GitHub Repository](#)

2. Workout App (Kotlin, Android Studio)

- **Features:** Includes 12 exercises (e.g., Push-up, Squat, Wall Sit) and calculates Body Mass Index (BMI).
- **Functionality:** Stores exercise history within the app.
- **Design & Development:** Utilized XML for graphics design, and incorporated media player and SQLite functionalities for enhanced user experience and data management.
-  **Workout App** – [GitHub Repository](#)

3. Quiz APP (Kotlin, Android Studio)

- **Features:** Offers a range of quizzes with multiple-choice questions, tracks user scores, and provides instant feedback.
- **Functionality:** Stores quiz results and user progress within the app.
- **Design & Development:** Utilized XML for user interface design and incorporated media player and SQLite for managing quiz content and data storage.
-  **Quiz APP** – [GitHub Repository](#)