

# Jeet Patel

## Software Developer

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### Summary

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- Good experience in building, integrating, testing and supporting Android applications for mobile and tablet devices on the Android platform.
- Experience in establishing better design patterns to implement MVVM and MVP architecture.
- Proficient in using Java with Android Studio and Eclipse with ADT plugin, designing UI layouts using Linear Layout, Relative Layout, Frame Layout, Table Layout, List View, Grid View and using Android native widgets and custom Widgets.
- Good knowledge of integrating libraries such as Retrofit, Picasso, Volley, Butter Knife in application development.
- Knowledge of Activities, fragments, Android Binding, support library, Android animation framework, AsyncTask, Intents, Services, broadcast receivers, REST API, Location Manager, threads.
- Proficient in working with Google Volley API, GPS Location Data, Google Cloud Messaging, Volley, Material Design and Push Notification.
- Ability to depth knowledge of database development using SQLite and SQL Server.
- Well versed with Source Version Control tools like GitHub, Git and Bitbucket.

### Technical Skills

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**Methodologies:** SDLC, Agile/Scrum

**Languages:** Java, Kotlin, SQL

**IDE Tool:** Android Studio

**Frameworks/Libs:** MVVM, MVP, Retrofit, Picasso, Gson, Google Volley, Android SDK, NDK, Groovy, Gradle

**Web Technologies:** REST API, XML Parser, JSON Parser, HTML, CSS, JavaScript, XML, Postman, Jest

**Database and Storage:** SQLite, Shared Preferences, MS SQL Server

**Cloud:** AWS EC2

**Version Control Tools:** Git, GitHub, Bitbucket

**Operating System:** MacOS, Linux, Windows

### Experience

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#### Quest software

**Jan 2023 – May 2023**

#### Android Developer intern

*Canada remote*

- Worked with the SQLite Database to store the created program. User data, variables, layouts and details of UI elements are being stored in SQLite database.
- Designed user session management with Persistent Cookie Store parsing JSON response.
- Utilized Shared Preferences to store and maintain user information.
- Implemented the functionality to upload files by sending encoded string from image files by POST method.
- Used OkHTTP, Retrofit2, and GSON to make REST calls and parse json from APIs

#### Deskcode Solution Pvt. Ltd

**Dec 2019 – Apr 2021**

#### Android Developer

*Surat, India*

- Developed and launched an Android application that achieved a 4 - star rating on the Google Play Store with over 500,000 downloads.
- Reduced user bounce rates by 30% by optimizing the app's loading times and improving its overall performance.
- Integrated third-party payment gateways into mobile applications, resulting in a 40% increase in the number of successful transactions.
- Utilized Room database and implemented RESTful APIs, ensuring quality software solutions and outstanding client satisfaction.
- Built Activities using compound and customized views.
- Led code reviews and mentored junior developers, resulting in a 15% increase in code quality and a 5% increase in overall productivity.
- Collaborated on the Material Design migration of the application views for a better, engaging user experience and a consistent look with the system's look and feel.
- Worked on the implementation on the application side of a network communication scheme required by a new API version on the RESTful server.

- Mitigated risks and resolved issues related to data loss, overseeing testing of all fields updated across both application and database.
- Identified +50 bugs in application beta version, completing comprehensive testing and documenting issues accurately.
- Eliminated the use of external libraries by consolidating the use of OKHTTP and GSON.
- Used concurrency constructs such as Threads, Handlers and Async Tasks for performing long running operations.
- Drove comprehensive end-to-end workflow testing across 4 application builds, confirming design, functionality, and usability.
- Worked on the Content Provider implementation to store information on the internal SQLite database and on file-based storage for media.
- Responsible for consuming the REST services, getting JSON response and parsing them to get the required information.

- Participated in architecture review meetings for a total of 5 projects, resulting in the identification of key technical challenges and the development of actionable plans to address them.
- Implemented multi-factor authentication mechanisms and data encryption techniques that ensured secure data transmission and storage.
- Migrated a ListView implementation to use a RecyclerView along the view holder design pattern for more flexibility regards displaying items as a list or a grid and for improved performance.
- Involved in creating a Retrofit Web Service endpoint for instantiating various API level calls.
- Implemented JSON and RESTful API Web Service calls for data validation, data parsing and server interactions.
- Conducted extensive testing of mobile applications across multiple devices and emulators, ensuring full functionality and optimal performance on all devices.
- Implemented Material Design components like Search View Navigation, Card View, RecyclerView and Bottom Navigation components.
- Worked on the local SQLite database backed storage of the user's location history.

## Project Experience

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**Bilby – Exam Preparation App:** Bilby is a Technology Smart Mobile Platform that enables anyone to be prepared for exams and certifications. We host hundreds of practice tests and reading guides on our mobile platform, which can be created and shared as educational content by instructors or training partners. 1000+ downloads and 4 – star rating on the play store.

Link- <https://play.google.com/store/apps/details?id=com.app.bilby>

**Explore GitHub Commands:** Developed an Android app for Git commands searching, which simplifies the user experience by providing a dropdown list of commands with usage and short descriptions. Designed and implemented a user-friendly interface to enable developers to easily find the right command for their tasks, reducing the time spent searching through documentation and tutorials. Demonstrated a keen eye for detail and user experience, which resulted in positive feedback from users and increased the app's popularity. Link- <https://github.com/pats5699/ExploreGithubCommands>

**Clone of Netflix:** Netflix clone is created in android with MVVM architecture. It uses APIs from TMDB - The Movie Database. It contains features like Trailer playback, home feed, Movies coming soon, Search / View for movie, tv shows.

Link- <https://github.com/pats5699/CloneOfNetflix>

**React movie search engine:** Build a React based web application with use of the API project suggestion by using TMDb (The Movie Database) API to search for movie and TV show data, provide categories for browsing movie and TV shows by popularity, currently airing etc. **Technologies:** ReactJS, HTML, CSS, Jest, Selenium JS

## Education

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