**Lisa choe**

**Sr. Android Developer**

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**PROFESSIONAL SUMMARY**

* **7 plus years of experience with 4 years** in IT Analysis, Design, Development, Deployment and testing of Mobile Applications using **Android SDK** and Web application development using **JAVA, J2EE** and **3+ years** of **Smartphone and tablet (Android)**.
* Experience in**Google Web Toolkit**. Worked extensively in **Unified Modeling Tools (UML)** in designing **Use Cases, Class Diagrams, and Sequence Diagrams**.
* Experience in an **Agile Software Development** environment using **AGILE** methods like **SCRUM** and **Waterfall model**.
* Experienced with **Oracle/SQL/MYSQL/SQLite** databases and database **query optimization techniques**.
* Expertise in working with public **API**s, such as **Twitter, Facebook, Google, YouTube.**
* Experience with **audio features, video features, graphicsdesign, interactive design** and **animation**.
* Proficient in various **web based** technologies **like HTML, XML, JQuery, JavaScript** and **AJAX**.
* Very good understanding of **Android Back-end** and UI guidelines.
* Expertise in Android App development with **Android SDK** using **Eclipse IDE** along with **Android ADT** plug in and **Android Studio**.
* Experience in the use of **unit testing** frameworks - **JUnit, TestNG** and **Robotium**.
* Experience in **error logging** and debugging using **Log4J**.
* Experience in **Bluetooth** and **Wi-Fi** with **android devices**.
* Working knowledge of**graphic design** and handling various kinds of media using **Photoshop, Illustrator, and Dreamweaver**.
* Good exposure in developing **GUI** using Interface design principles for Android mobile and tablet devices.
* Good Knowledge of ecommerce domain, health care and banking domain.
* Expertise in **Object Oriented Architecture**, Design and Programming from design to implementation.
* Experience in **architecture design**, development and implementation of software applications and testing.
* Exposure to **video processing** and **streaming libraries** and components in android such as **FFmpeg, surface view, video view and media player, media recorder**.
* Implemented **Google Maps API** for displaying required data in a map view
* Expertise in developing apps using **SQLite, java, xml** and **HTML5**
* Extensively worked on **memory leaks, data offline usage, push notifications, content providers, multiple screen support**, accounts and sync on Android
* Good Experience on 3rd party libraries like **Dagger**, **RX-Java**, and **RX-Android**.
* Have hands-on experience in complete **project life cycle**, with domain knowledge in Mobile.
* Have extensively worked on **C#, HTML5, CSS3, Backbone, ASP, ASP.NET, WCF (Soap and REST), Entity Framework, Linq to SQL, RIA Services, WPF, JQuery, Json, Silver light, XML, JavaScript, Team Foundation Server, SQL Server, Analysis Services**.
* Experience in web service protocols such as **JSON, HTTP, Phone gap and XML.**
* Ability to grasp and master new technologies, excellent analytical and problem solving skills.
* Able to take initiative; work independently and also as a team player.

**TECHNICAL SKILLS**

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| --- | --- |
| **Technologies** | Android 2.3-5.0, Android NDK, Java, Dagger, Rx Java, JNI, C, J2EE (JSP 1.2/2.0,Servelets 2.2/2.3/2.4/2.5, EJB 2.0/2.1, ANT), Struts1.3, JavaBeans, JSF 1.2, Web Services, Spring2.0.x/2.5.x, Hibernate 3.0/3.1.1, JMS 1.1, JDBC 3.0, JavaScript 1.8.x, SOAP 1.2, J Unit 4.0C, C++, . |
| **Markup Languages** | HTML 5, XML, CSS 3, XHTML. |
| **Servers** | Web Logic 8.1/9.2, Apache Tomcat 6.0/7.0, JBoss 5.0. |
| **Build Tools** | Gradle, Maven |
| **Debugging Tools** | Log cat, DDMS, J Unit. |
| **RDBMS** | SQLite, db4o, Oracle 10g/11g, MySQL 5.1.69, MS-SQL Server. |
| **IDE’s** | Android Studio, Eclipse, NetBeans, IntelliJ IDEA. |
| **Operating Systems** | Windows (2000/XP Professional, Windows 7/8), Unix, Linux, Macintosh. |

**PROFESSIONAL EXPERIENCE**

**Comcast - Philadelphia, PA Feb 2017- Present**

***Sr. Android Developer***

**Description**: Xfinity Connect Web application allows Comcast customers access their home phone voicemails, including readable voicemail transcripts, view call logs and activate call forwarding. The customers can send and receive free text messages to more than 30 countries using their XFINITY Voice service and they can manage their address book. The web application also offers lot of other services. Xfinity Share Mobile application allows Comcast X1 users to live stream video, send photos and recorded videos to each other in real time. Also the app allows the users to cast Photos/Videos to STB.

**Responsibilities:**

* Built a layer wise architecture to effectively pull inventory record and maintain a cache to boost quick search of Items.
* Developed application using the Agile Software development methodology.
* Used SQLite to store inventory records, which allowed for offline search capabilities.
* Responsible for designing the architecture of this application which is used in android platform.
* Implemented Payment gateway using PayPal and Stripe, etc.
* Tested the app across different versions of Android and different android phones to assure quality and performance.
* Implemented customized web view component to load an SWF file and HTML data.
* Implemented the required GUI by making modifications to the XML files.
* Used Multi-threading to implement parallel processing.
* Implemented client side RESTful call to receive JSON based response and parsed using GSON.
* Worked with many features like OTT Content Delivery, Mobile Streaming, Video Streaming on Demand, Interactive Services, Recommendations and Dynamic Ad Insertion.
* Implemented the Scanning framework using the ZXing barcode library.
* Enabled the application to use the Camera feature to scan a document and upload the check using SQLite.
* Implemented SQLite DB to maintain barcode scan history.
* Have used Surface view, video view and media player in the application for media streaming purpose
* Refactored the legacy code with Dagger dependency injection library to create reusable, testable interchangeable modules.
* Utilized a retention fragment technique to avoid losing the AsyncTask.
* Implementations of Ads and video streaming specific UI widgets such as Electronic program guides (EPG), live playlists, Continue watching playlists and DPAD navigation listeners.
* Used the SQL Cipher library to increase the company and users data security.
* User interface creation for Android Fire TV based apps for various customers including CBS, Love Nature and Smithsonian Earth using various Android SDKs. APIs for downloading of thumbnails for display on various user interface widgets.
* Implemented the List framework to pull the barcode scanned data with the detailed description and display it in the list.
* Used Retrofit and Rx Java to replace existing out of date HTTPClient, working with JSONArray and JSON Objects.
* API creation for Google ExoPlayer, Android Native Player and VisualOn player for streaming of movies and Live TV on Android Fire TV, Google Nexus players, Android tablets and Android mobile devices.
* Developed Home Screen Widgets to show the users, details about their order shipping and delivery details.
* We also used the video platform to show videos, images in application.
* Used Butterknife and Dagger 2 for views injection and loose coupling.
* Used media recorder, media player, FFmpeg for video streaming profiles of the candidates.
* Implemented efficient way of showing graph data in customized tooltips or marker views and interactions with chart by highlighting the value selected by user in the graphs.

**Environment**: Android Studio, Rx Java , GenyMotion, SQLite, Dagger, Asynctask, UNIX, Eclipse IDE,media framework, FFmpeg, surface view, video view, media player etc.

**Samsung - Bridgewater, NJ Nov 2015 - Jan 2017**

***Sr. Android Developer – MNO Team***

**Description**: MNOis a team who are responsible for preloading 3rd party applications for Verizon, USCC and TFN careers. Our work is to do preloading, trialing and fixing of issues in application as well as framework and modifying existing Samsung libraries or apps to support 3rd party apps.

**Responsibilities:**

* Developed applications using the Agile Software development methodology.
* Tested the app across different versions of Android and different android phones to assure quality and performance.
* Implemented the required GUI by making modifications to the XML files.
* Used Multi-threading to implement parallel processing.
* Used JSON objects and files to create the NLG requests and responses on voice recognition features.
* API creation and worked in maintaining different independent applications and supporting them with the issues by resolving.
* Developed Settings Widgets and applications to show the users, different features of LTE, 3G Video and Voice Calling.
* Utilized a retention fragment technique to avoid losing the Async Task.
* Development and testing cycle of IPSec, SSL VPN profiles on flagship devices and interaction with several third party VPN solution providers (Java, C/C++, Android, IPSec protocol).
* Responsible for customizing VMware dual persona solution integration and bug fixing on functional modules (C, Java, Android).
* Extensive UI customizations using Fragments to adapt to different screen resolutions and portrait and landscape orientation.
* Implemented all platform related stuff like Network status (Up/Down), Network type, Wi-Fi and Data implementation (3G/4G/Edge etc), Fetching the Valid IP, Location Info, IMEI number, Client IP, Batter status, Service state, MCC, MNC , LAC etc.
* Experience working with diverse application/system teams of engineers, designers, and testers.
* Proficient with android tools like Android Developer Studio, Git, Gradle, MAT, GDB etc.
* Resolving the issues in PLM and submitting report to the client.
* Preloading 3rd party applications using perforce. Modifying existing Samsung libraries or apps to support 3rd party apps.
* Flashing the devices and installing the new builds. Validating the applications after preloading.
* Trialing and fixing of issues in application as well as framework.

**Environment**: Android Studio, Asynctask, UNIX, Eclipse IDE, Android application, Android Framework, Perforce, Wireshark,Odin, Mobile device management (MDM), Android VPN and device services, Developer tools etc.

**Wells Fargo - Charlotte NC May 2014 – Oct 2015**

***Android Platform Developer***

**Description**: Wells Fargo Mobile application supports a secured log-in system to the existing Wells Fargo system for personal account holders. Users can use the app to locate nearby Wells Fargo locations, view balance and recent transactions, make transfers, send money, pay bills, deposit checks, view and manage credit card preferences and notification settings.

**Responsibilities**

* Involved in reviewing use cases, designing class diagrams, and sequence diagrams in the RUP process.
* Delivered the presentation tier using Struts Framework and developed JSP using Tile Layouts and validated the presentation tier using Validation Framework.
* Performed client side Validation using Java Script.
* Used AJAX Framework in the presentation layer.
* Review business requirements and clarify the functionality with business partners and user experience team.
* Create software design specifications in UML using Microsoft Visio.
* Developed platform manager which will interact to the Api-interface Manager for interacting to the lower layer and fetch all the data.
* Extensive usage of list views for showing large content, improving in this way the memory consumption of the application and android UX.
* Coordinate meetings with the UI and UX team to design the user interface by giving feedback about android guidelines for developing user interfaces.
* Configured ORM in persistence layer using mapping files in Hibernate.
* Configured MDB in EJB layer for providing shipment related email notifications to the manufacturers.
* Refactored the legacy code with Dagger dependency injection library to create reusable, testable interchangeable modules.
* Used XML Web Services for transferring and retrieving data from different applications.
* Implemented XML technologies like DTD schemas, XSL style sheets and XSLT for transformations.
* Involved in graphic design, audio and video features and handling various kinds of Video streaming using Photoshop, Flash.
* Collaborated with web services team to implement the backend support, HTML5, Oracle.

**Environment**: Android SDK 5.1, Eclipse IDE, UML, Struts, JSP, AJAX, XML, HTML5, XHTML, JavaScript, Java,Dagger, Rx Java, ORACLE10g, PL/SQL.

**PNC Bank, Pittsburg, PA Jun 2013– Apr 2014**

***Java Developer, Android Developer*.**

**Description**: This project is developed mainly to serve the huge domain of customers. The application also allows employees to open a new account for customers or access, modify the customer information based upon their role. The application offers various functionalities, some of them include Transfer Funds, make a Payment, set up Automatic Payments, keep the change, receive the bills electronically, Request e-mail notifications, Balance Enquiry, etc.

**Responsibilities**

* Development using Struts, Spring, hibernate frameworks and implemented Web browser testing (WebTop testing using Opera, IE, and Firefox) and Multimedia Testing (2D and 3D Graphics, Audio, Video).
* Performed data validation in Form beans and Action Classes.
* Worked on XML, XSLT, XPATH, DOM and SAX.
* Used RAD for developing the application.
* Prepared Unit Test Plan and performed Unit Testing using JUnit.
* Used Log4j for logging debug, info and error data.
* Analyzed the requirements, and understanding the functional specifications.
* Involved in design of the system using UML
* Worked on designing and developing scalable and extensive frameworks.
* Worked on Agile, RAD and Test Driven Development (TDD) environment.
* Implemented front end (GUI) using HTML, JSP, AJAX, CSS and JavaScript.
* Design and development of modules using MVC.
* Development of various modules in accordance with Agile Methodology framework. Collaborating along with the Business Analysis, Design, QA and Development team in shaping the product.
* Worked on core framework of the Android and Web Application Design and its communication (Web Services, Database, Connectivity’s, UI).
* Extensively utilized Async Task, Thread handler, Services to provide smooth UI experience.
* Involved in designing the Web Services and Database design to suite the Android Application Support.
* Development of key functionalities like on middleware side, Database design, Android framework for multiple device support.
* Used multi-threading to implement parallel processing using Async Task, Services, Job-Scheduler, Thread Pool Executor.
* Involved in Application testing, Memory Analysis, Screen fragmentation support and working with the QA team on test plan and test cases.
* Involved in designing the interface along with the design and UX team for better usability and handling across Android and maintain their relative nativity (phones and tablets).

**Environment:** Android SDK, Eclipse, Java, SQLite, XML, HTML, XML, Windows and MS SQL Server.

**Allstate Insurance Co - Northbrook, IL Oct 2012– May 2013**

***Android Developer***

**Description**: Allstate Mobile helps Allstate customers to pay bills, report a claim, and update policy information and to get roadside assistance at any time. It helps to schedule payment through bank accounts and credit cards.

**Responsibilities**

* Used AsyncTask for multithreading.
* Used SVN for code management.
* Registered the Broadcast Receivers with various intent filters for the android system announcements.
* Designed the Custom Dialog using the Fragment Activity.
* Designed the Custom Action bar, Custom Progress bar while making service calls.
* Created a pop-up notification for alerting users.
* Worked on Agile Methodology.
* Involved in application android development, defect validation, deployment and production maintenance.
* Designed and implemented the Mobile Agent application using Embedded Android development.
* Designed the User Interface according to the requirements using UI Groups, UI components.
* Developed App screens and its workflow using Activity and Fragments which has views such as List View and Scroll View.
* Created a local database using SQLite to store and retrieve the data.
* Extensively worked on designing the layouts to compatible with screens of different resolutions.
* Took care of code review , code fixes and bug fixes
* Responsible for testing the application in stage, code review fixing the bugs and providing post-production support.
* Have used the android support libraries to provide the latest features like action bar, fragments to the lower versions of android devices.
* Used Photoshop CS5, Firework CS5, and Illustrator CS5 frequently for editing images, altering photos, and customizing look and feel of client's applications.
* Have created the unit test cases using MockitoJUNIT framework.

**Environment**: Android SDK 4.4, Java, Android Studio, windows 8, HTML5, JQuery, SQLite, Selenium, Volley, JSON, SVN.

**Client: IMS Health, PA** **Jun 2010– Sep 2012**

***Senior Mobile Developer***

**Project description:** Enterprise mobile applications for various clients of IMS health. As part of IMS mobile solutions, clinical data management, prescription management and notification modules are integrated into the core enterprise applications.

**Responsibilities:**

* Developed the UI using **jQuery, jQuery mobile, HTML5,** and **CSS3.**
* Used **Android NDK** to create the library files to be used by Services.
* Created handset specific UI targeting screens sizes like small, normal, large & extra-large Developed iOS and Android mobile app using **PhoneGap** framework.
* Used **Android SDK** and **Eclipse IDE** for development.
* Used Location APIs for Search.
* Gathered client requirements and involved in **design** and **developing** hybrid application UI.
* Worked on Detail level UI design documents for android and work on building the required product suites.
* Designed the User Interface with Tabs for **multiple views, custom list views** and **expandable list views.**
* Perform CLI.
* Used **SVN** for version control of the source code/modules.
* Worked on bug fixing and troubleshooting the production issues and tracking using **Mantis tool.**
* Performed Unit and integration testing.
* Involved in developer testing by porting the app on multiple devices with various screen resolutions.
* Used **Material design** using Card View, Recycle View and classic principles of good design with innovation.
* Integrated **REST web services, JSON** in the app.
* Implemented favorite’s options to save the refined search data.
* Worked on local data storage using **SQLite**.
* Documented app feature upgrades for use in promotional material.
* Created **Release notes** and **Change requests for UAT** and **production deployments.**
* Worked on deploying the application in development, QA and testing environments.
* Wrote technical specifications and maintained all reports pertaining to application development process.

**Environment:** PhoneGap (Cordova),Android SDK, Android NDK, Eclipse IDE, HTML5, CSS3, jQuery, jQuery Mobile, JSON, iOS, Backbone, Android KitKat, Eclipse, Mantis, SVN.

**Client: All State Insurance, IL Aug 2009–May 2010**

***Senior Mobile Developer***

**Project description:** App modules that handles all kinds of user inputs, such as texting, handwriting, picture & audio clippings. It also provides social media sharing, access to address book, gallery, search, reminders and navigations.

**Responsibilities:**

* Integrated with **Facebook, Twitter** and **Google+ Social Media** for posting the details.
* Designed custom animations for transitions between application activities.
* Integrating **REST web services, JSON** in the app.
* Worked on the technical documentation for various modules like navigation to Google map, Search, Settings and Gallery in the application.
* Constructed **Activities** and **Fragments.**
* Utilized a Navigation Drawer to easily switch between application activities and fragments.
* Participated in developing the UI of the app using **Google Map APIs.**
* Designed **SQLite** database schema for implementing persistent data storage.
* Worked on **Eclipse** for app development, debugging and testing.
* Worked on debugging the application using **Log cat** and **DDMS.**
* Utilized**Git** version control tool as source control management system.
* Supported multiple screen resolutions to provide proper resizing across multiple devices.
* Involved in unit testing for multiple devices with various screen sizes.
* Worked on implementing multi-language support.
* Worked on deploying the application in **development** and **QA** environments.
* Followed **agile methodology** to implement the project.
* Tracked issues reports with the **Bugzilla** open source platform.
* Prepared technical specifications and maintained all reports pertaining to application development process

**Environment:** Android KitKat (4.4), Eclipse, Android Animations, SQLite, Fragments, Activities, Intents, JSON, Bugzilla, Linux, Git.