**Divya K**

860-986-0666

[**kdmm541@gmail.com**](mailto:kdmm541@gmail.com)

**Professional Summary:**

* A motivated and security-oriented developer offering **8 years’** experience in **Software Designing,implementing** and **Development** Experience in Java based applications.
* Extensive experience in Software Development Life Cycle (**SDLC**) enterprise application design, development, testing, debugging, documentation, deployment and integration of different softwareapplications.
* Developed andarchitected multiple Android applications across versions.
* Experience in **Cloud interface, Bluetooth, sensors** and **REST** web services.
* Good understanding of **Android Back-end** and UI guideline
* Proficient in common **Android framework API’s** (Location, Camera, Notifications, Maps).
* Expertise in **designing, implementing** and **supporting impactful** applications developed in **diverse,collaborative environments** for **mobile** and **tablet** devices on android platform
* Expertise in using **Design patterns** and **Object Oriented Methodologies** to design software for mobilephones.
* Undertaken **full life cycle** of **Android Application Development** which includes testing on device andsimulator as well.
* Experience in **design/UX** to create user-friendly.
* Proficient with **Java, C**++, and **Android SDK** version **Android 1.5** to **Android 4.4** (**Gingerbread,Honey comb, Ice cream sandwich, Jellybean, KitKat**).
* Expertise in Application development in **IDE**’s like **EclipseAndroidSDK, Dreamweaver.**
* Experience in using **SQLite Database** for mobile data management, **SQLSERVER** database forweb data management.
* Technically Proficient in Android Application Development involving **User Interfaces, Notifications, Adapters, Content Providers, Services, XML Parsing, NFC and Telephony Manager.**
* Experience in working with **SQLite Database, Google Maps API, Android MediaPlayer APIs, GPS Location Data and Push Notifications**.
* Experience in hand-coding web user interfaces using **HTML/XHTML, HTML5, CSS, JavaScript and PHP.**
* Strong experience of using **Windows** and **Unix/Linux**.
* Experience of using development tools **like Eclipse IDE, Android Studio, Visual Studio, Notepad++, Sublime Text, Emacs, Pico, Vi and Vim**.
* Programming skills in **Java, C/C++, Perl, Matlab, Python and HTML5**.
* Ability to quickly understand and resolve technical issues through **debugging, research, and investigation.**
* Good knowledge of Database design **(RDBMS**) and development that involves **ER Modelling, Functional dependencies, Normalization of tables, writing queries using SQL, formatting results and writing Triggers, Stored Procedures**
* Worked with **Oracle, SQL Server and Access Databases.**
* **Self-motivated**, dedicated and a good team player with excellent communication skills.
* **Quick to learn** and adopt new technologies.
* Excellent work ethics and **interpersonal skills.**

**Technical Skills:**

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| --- | --- |
| **Operating Systems** | Mac, WindowsNT/2000/2003/XP/7 And Linux (Ubuntu) |
| **Mobile Technologies** | Android SDK, J2ME |
| **Web Technologies** | Oracle 8i/9i/10g, DB2 SQL Server, MySQL server, MS Access, IBM DB2 |
| **Web Services** | REST, XML, JSON |
| **Languages** | Java, C, C++, Python, JavaScript, Visual Basic, XML, PL/SQL, COBOL |
| **Methodologies** | Agile, SCRUM and Waterfall |
| **Third Party API’s** | OkHttp, Retrofit, Google Services, Volley, AsyncTask, Picasso,  ButterKnife, Facebook, Places API, Instagram, GSON |
| **DATABASE(S)** | Oracle 11g/10g/9i/8i, Sybase and SQL Server 2005/2008, My SQL,  MS-Access, DB2. |
| **IDE** | Eclipse, Android Studio, Net beans, Dreamweaver |
| **Source Control** | Sub-Version (SVN), Clear Case, CVS/PVS and VSS (Visual SourceSafe), Git, GitHub. |
| **Web-service Framework** | Apache Axis, SOAP, WSDL, REST, JAX-RS, JAX-WS |
| **Networking &Routing Protocols** | TCP/IP, IPV4, IPV6, RIPv1, RIPv2, EIGRP, OSPF, BGP, Access List,Redistribution. |

**Professional Experience:**

**Ascentis Corporation, San Mateo, CADecember 2014- Present**

**Sr. Android Application Developer**

**ProjectDescription:** Ascentis delivers on-demand human capital management software solutions that reduce costs while increasing productivity.The purpose of my project The Android application, which has been developed is being used to gather customer information, generate

quote and provides options to purchase the products. It also provides the various options about best productsto the user based on the products purchased by the user. Total estimated savings are displayed to user foreach type total purchase for the duration of six months.

**Roles &Responsibilities:**

* **Developed UI** for most of the modules in the application using List View, Grid View, View Pager and **Tab layouts** using **Action Bar**.
* Integrated search widgets to perform search through their collections, load recent search and supports voice based search.
* Developed custom UI by drawing on the **Canvas** using native Android SDK API.
* Implement Tablet compatibility for the application, which was only phone compatible earlier.
* Implemented services using **GSON** library and part of design team in architecture of Web services.
* Used Intent Integrator for using the QR codes and camera API for accessing the camera to use the QRcode.
* Worked on the local data storage using shared preferences, **SQLite** database and file system.
* Worked closely with **QA** team while fixing bugs and fragmentation issues.
* Involved in unit testing with eclipse debugger.
* Implemented **Serializable** and **Parcelable** objects to send across activities.
* Improved the application performance by detecting memory leaks using **DDMS**.
* Developed generic libraries for downloading images and other resource using **Async task** handlers.
* Developed utility classes to handle Validations of user information using regex functions and othercommon app functionalities.
* Developed prototype using **PhoneGap** for cross platform compatibility.
* Implemented login functionality using Sterling services.
* Implemented store location by using **Google Maps** API.
* Used **Google Maps** for faster navigation to find the Branch location and information to user get there.
* Implemented **DialogFragment** to share the product with their friends and family.
* Implemented **Singleton** design pattern to pass through the object into different fragments.

**Environment**: Windows, MAC, Android 2.0, 3.0, 4.0 versions, Java, LINUX,Android SDK, ADT 21.1.0, Shared Preferences, Fragments, PL/SQL, JSON, REST API (XML), JavaScript, CSS, Eclipse 3.6, ANT, XML, Multi-threading, JIRA

**XL Insurance, Hartford, CT March 2012- November 2014**

**Android Developer**

**ProjectDescription:**Purpose of this project is to create amobile application which is a generic commerce and online shopping application, helps user toshop online in various categories and helps the users to find their appropriate apparels. This application has alogin option, used to add product on their shopping cart and wish list. User can pay bill from their androiddevices and they can find the nearest store location based on their current position.

**Roles &Responsibilities:**

* Involves a talent and development skills for software development on both mobile devices and wearable’s.
* As a team member, the senior software engineer focused on new experiences development on **mobile** and **wear platform**.
* Working in a scrum model where we discover, implement and validate software in rapid cycles.
* Research on various libraries, create prototypes and suggest best ways to implement most

efficient graphs.

* Involved in providing **guidance** and support to the **offshore** teams.
* Improved experience with mobile application development and design patterns by designing

and implementing wellness graphs for the Moto Body.

* Implemented **customized widgets** and views as per the details to the wireframes provided.
* Implemented wellness graphs for heart activity, steps and calories using **MP Android Chart**

library and customizing the charts as per requirement.

* Involved in creating reusable components with **Fragments, Utils** and **Java Classes** for differentresolution devices and different graphs.
* Created customized drawable assets for the widgets with drawable resource files in xml.
* Implemented the **multithreading, network** and **databases** in android to fetch and efficiently

populate data in the form of graphs.

* Implemented the view pager with **Fragment State Pager Adapter** and **Simple Page Listener** for sliding effects of the charts.
* Implemented the communication between charts and implementing fragments for the gesture and motion events on the charts.
* Dynamic and real-time updates of data to chart and loading different views and types of chart

**loading** and **manipulating** and **updating** the **metadata** or aggregate date of the charts in the

fragments instantly.

* Customized axis to the charts with **complex logics** and **algorithms** in relation with graphs.
* Implemented android gesture listeners and touch events on the charts.
* Implemented efficient way of showing graph data in **customized tooltips** or **marker views** andinteractions with chart by highlighting the value selected by user in the graphs.
* Implemented different customized graphs like **bar graphs, line graphs** and **staked bar graphs**.
* Implemented mobile design principles and **Android UI** best practices.
* Networking, multithreading, caching strategies, memory management and power management techniques specific to mobile devices.
* Used **ADB tools** and commands to run, debug and test the application and database.
* Efficiently used **Gerrit, Git** and resolved issues and CR’s in Jira with continues updates and

reviews with continue testing of the application.

* Familiar with **GIT, Gradle, Proguard, Jira, Gerrit**.

**Environment:** Java, Android, Android Wear, Android Studio, PL/SQL,MP Android Chart Library,

GIT, Gradle,Proguard, JIRA, Gerrit, Android SDK, ADB tools, MAC, LINUX .

**Travelers Insurance, Hartford, CT February 2011 – February 2012**

**AndroidDeveloper**

**ProjectDescription:**The Travelers Companies is an American insurance company. It is the second largest writer of U.S. commercial property casualty insurance and the third largest writer of U.S. personal [insurance](https://en.wikipedia.org/wiki/Insurance) through independent agents.

**Roles & Responsibilities:**

* Designed and developed Mobile Media application for Android mobile devices with extensive user interface development.
* Responsible for design of user interface using various custom layouts, buttons, dialog boxes, alert boxesand different form of widgets.
* Implemented android native libraries, which carry a set of instructions to guide the device in handlingdifferent types of data. For instance, the playback and recording of various audio and video formats isguided by Media Framework Library.
* Inserted suitable code to capture the various button and text field events and implemented the desiredaction for each of the widgets.
* Developed the application with Ant build script for testing and debugging, debug mode and one forbuilding the final package for release.
* Used Android content providers for implementing features like sending E-mails, sharing using Facebook,Email, Twitter, SMS, etc., from the app and designed suitable GUI for these applications.
* Enabled the application to access the content of Gallery, Media pre-built applications using implicit Intent.
* Context and Options menu were handled in a dynamic fashion to display counts for the menu items.
* Application is designed in such a way to online video search, which searches YouTube and other sites.
* Used services, AsyncTasks and Alert Notification API to implement event reminder feature into themobile app.
* Followed agile methodology for implementing the Application.
* Worked on debugging the application using Logcat, DDMS

**Environment:**Java, Android SDK 3.2.2 and Android APIs GPS, REST, JSON, Eclipse IDE 3.5, ADT Plug-in, GIT (version control), SQLite,LINUX, DDMS console, ADB server, ANT build, emulator and Base device (G1, HTC EVO).

**Intercontinental Exchange Inc., Atlanta, GA. September 2010-January 2011**

**AndroidDeveloper**

**ProjectDescription:** Prometheus Research is the premier provider of integrated data management services for research organizations, healthcare systems, and funding agencies. We leverage our unique blend of People, Processes, and

Tools to consistently deliver uncommon value to our partners and their collaborators.

**Roles & Responsibilities:**

* **Parsing** voice call signal parameters such as signal strength, throughput, noise levels, SNR etc at chip level.
* **Maintaining** logs in servers and **analyzing** the logs using respective tools.
* Gathering mobile **device** parameters **programmatically** and sending data as **“.dlf”** files to servers.
* Integrated third party library AchartEngine for displaying graph’s.
* Worked closely with server team for passing **IMEI, IMSI** as parameters along with user name and password at authentication for first time user.
* Implemented **file compression** enhancement as a new requirement before uploading the files to **server**.
* Updated backend validations to meet **Android M OS** requirements.
* Developed user friendly UI with **advanced design patterns**.
* Provided **frequent releases** with new enhancements and bug fixes
* Worked on **Bugzilla bug tracking** tool for raising and closing tickets when needed.
* Designed custom UI **fragments** for impressive user friendly UI.
* Used **logcat, DDMS** (Dalvik Debug Monitor Server) and **traceview** for debugging.
* Responsible for consuming the REST services, getting a JSON response and parsing them to get the required information.
* **Tested** the application on various Android devices.
* Worked with **QA team** for testing the application with test cases.
* Used **ADB comma**nds for testing the application on various devices simultaneously.
* Participated in **Code reviews** and peer reviews.

**Environment:**Eclipse IDE, Android NDK, C++, Multi-Threading, Maven, Android API’s, GIT, XML, HTML5,JSON.

**EffectiveSoft, San Diego, CA October 2009– August 2010**

**Sr. Java Developer**

**ProjectDescription:** EffectiveSoft mainly focuses on the needs of the people they serve; they also enable theircustomers to deliver better outcomes. Their main frontline delivery involves vital areas of publiclife, finding sustainable jobs for the long-term unemployed and including providing safe transport.

**Roles &Responsibilities:**

* Involved in Analysis, design and coding on Java and J2EE Environment.
* Implemented struts **MVC** framework.
* Maintained the business standards and the requirements in EJB and deployed them on

to **WebLogic Application Server**.

* Designed, developed and implemented the business logic required for Security

presentation controller.

* Set up the deployment environment on Web Logic Developed system preferences UI

screens using JSP and HTML.

* Developed UI screens using Swing components like**JLabel, JTable, JScrollPane,**
* **JButtons, JTextFields**, etc.
* Used **JDBC** to connect to Oracle database and get the results that are required.
* Designed asynchronous messaging using **Java Message Service** (JMS).
* Consumed **web services** through **SOAP** protocol.
* Developed web Components using **JSP, Servlets** and **Server side** components using **EJB**

under **J2EE** Environment.

* Integrated a crystal report to the application which will show all the details of the
* vouchers on the paper and used for future reference for the workers.
* Developed a webservice which will retrieve the details from the Database.
* Prepared complete documentation of the **WebService** developed.
* Prepared a complete documentation of the project and test case documentation with

sample inputs Version control is done by using **CVS**.

**Environment:** Java, J2EE, JPA/Hibernate, Code Generation, Spring, AOP, ERP customization,Web Services (SOAP), JMS, XML, JDOM, JAXP, JBoss, jBPM, Multi-threading, Lucene, Servlets, AJAX, Mock-up framework, XHTML, CSS, Flash, AS 2.0, Maven2, PHP.

**Routelink Technologies Pvt Ltd, Hyderabad, India June 2008 - September 2009**

**Java Developer**

**ProjectDescription:** Routelink Technologies Pvt Ltd helps business to generate competitive value by leveraging its expertise in Microsoft technology, Brilliance in Process Management and Enthusiasm for Perfection, from Strategy to Delivery of Custom Solutions. Its mission is to consistently deliver an excellent customer experience as an IT Consultancy by maximizing the capabilities.

**Roles &Responsibilities:**

* **Coordinating** the tasks, ensured that the deliverables from the team members.
* Interaction with clients to understand the requirements to provide **design documents**.
* Developed the application using **Struts Framework** that leverages classical **Model View Layer** (MVC) **architecture UML diagrams** like use cases, class diagrams, interaction diagrams (sequence and collaboration) and activity diagrams were used Created physical and logical data model, design and implementation.
* **Wrote SQL queries**, stored procedures, and triggers to perform back-end database operations
* Developed **ANT Scripts** to do compilation, packaging and deployment in the Web Sphere server
* Implemented multicurrency functionality for the **User** and **Admin modules**.
* Involved in designing user screens and validations using **HTML, jQuery, Ext JS** and **JSP** as peruser requirements
* Used **JDBC** to read and write data to the database
* Used **Java Servlets** to write the business logic
* Developed web pages using **HTML, JSP, DHTML** and **CSS**
* Created the database tables in **SQL Server**.
* Involved in **debugging** and **Bug fixing**.
* Participated in **Code reviews** and peer reviews.
* Prepared unit test conditions and conducted **Unit testing** of components.
* Daily Incident Review meetings with Clients and the team. Review batch schedules and
* Recommend any changes for improvement to batch scheduling **implementing emergency fixes during night** if required.

**Environment:**Java, J2EE, JSP 2.0, Servlets 2.4, JDBC 3.0, HTML, XML, Java Script, Eclipse3.2,

Oracle9i,Windows 2003, COBOL, JCL, VSAM, Citrix.

**Education:** Bachelor in Computer Science and Engineering, JNTU, India