# Priyanka Dharamshi

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# SUMMARY

A keen, dedicated and passionate Software Engineer with 5 years of experience in creating state of the art mobility solutions for various mobile platforms (primarily iOS and Android). Contributed significantly to various applications on the App Store - application portfolio spans from generic lifestyle apps to customized productivity apps for businesses and enterprises. Acquired keen understanding of end-to-end SDLC for mobile applications and diverse domain knowledge in Entertainment, Trading & Finance, Oil & Gas and Energy industries. Managed, supervised and mentored small teams of trainees and developers.

# SKILL SET

**Mobile platforms:** iOS, Android, Windows 8

**Programming languages:** C, C++, Objective-C, Java, C#

**Databases:** MySQL, SQLite, RDBMS

**Cross Platform tools:**  Xamarin (iOS/Android), TestFlight (iOS/Android)

# EDUCATION

Bachelor of Engineering (B.E.) in Computer Science *Received: June 2009*

PES Institute of Technology, Visvesvaraya Technological University, Bangalore, INDIA. *Aggregate: 76.89%*

# WORK EXPERIENCE

Infotechnics Limited - Aberdeen, UK April 2014 - June 2014

*Mobile Consultant (iOS/Android)*

**Opralog suite of applications** - An advanced operations reporting tool (Desktop and Mobile versions) specializing in managing operational data and real-time Business Intelligence for Oil & Gas, Power and Utility industries globally. The key features of Opralog are Shift Handover and Logbook reporting.

*Mobile Platforms:* iOS and Android using Xamarin APIs in C# .NET environment.

* Led a team to design and implement **OpralogMobile** clients for **iOS** and **Android**. The mobile client runs on client-server based architecture with a flexible and robust infrastructure for faster and efficient reporting mechanisms.
* Key design decisions involved separation of data and UI models and implementation of local database that mirrors the server database systems.
* The cross-platform application is developed in C# with **Xamarin** (Monotouch) API to promote rapid prototyping and release.
* Contributed in design and implementation of client-server architecture, unified data model and business model of the application. An IIS hosts the WCF server implemented in C# .NET and supports a cross-platform codebase in C#.
* Conducted hands-on training sessions in iOS and Android Development with the goal to promote understanding of each native platform and encourage good programming practices to achieve cross-platform compatibility when using Xamarin with C#.

Aavid Knowledge Management Pvt. Ltd, Bangalore Feb 2012 - Mar 2014

*Senior Software Engineer (iOS/Android/Windows 8)*

**ReaganMail** - The application manifests primarily as an email client for [Reagan.com](https://www.reagan.com/), which mirrors the Webmail implementation with several other functionalities like Custom Address book, Calendar, Notes and Tasks.

*Mobile Platforms:*iOS, Android, Windows 8.

*iTunes link:* [*https://itunes.apple.com/us/app/reaganmail/id826600690?mt=8*](https://itunes.apple.com/us/app/reaganmail/id826600690?mt=8)

* Contributed single-handedly to the overall Product development life cycle of custom Email clients for **iOS, Android and Windows 8**.
* Designed and developed UI and data model for the email clients in a service-oriented architecture using SOAP, XML and JSON with secure authentication and mail privacy for email exchange.
* **Upgraded iOS** email client that now supports IMAP functionality on the device and eliminated the need for an intermediate server for more security, speedy communication and support for a larger user base.

##### The upgraded application supports a custom **Address book, Calendar, Tasks and Notes**, which are a part of the Webmail counterpart. The application supports viewing/editing/deleting contacts, calendar events, tasks and notes (independent of bundled applications in devices). All the custom features support **Sync** functionality.

**London Commute** - An **iPhone** application that serves as a guide for the London rail network. Trains are tracked in real time and favourites can be set in the application.

*Mobile Platforms:*iOS

* Designed and developed the application implementing Maps API and used RSS feeds from [Transport for London](http://www.tfl.gov.uk/) for providing route updates.
* Supports a custom Map implementation for 12 different routes that can be visualized individually.
* Implemented search based on Location, Places of Interest, Station Names and Area Codes.

SourceEdge Technologies Pvt. Ltd, Bangalore April 2011- August 2011

*Senior Software Engineer (iOS)*

Newsletter App *-* An elegant PDF reader application for viewing custom newsletters on iPad

* Developed custom views for each device orientation and a thumbnail bar for easier navigation. The application was optimized for viewing very large PDFs (> 15 MB size).
* Trained and mentored junior developers for iOS and Android development.

Geodesic Limited, Bangalore August 2009- April 2011

###### Associate Software Engineer (iOS)

**Enlyte** - An elegant and powerful PDF reader for **iPad**, which supports viewing as well as editing, features for educational and recreational purposes.

*iTunes link:* <http://itunes.apple.com/in/app/enlytenote/id484924324?mt=8>

* Implemented custom PDF viewer with custom annotations notes and document linking using Core Graphics APIs.

**Mundu Radio** - An Internet radio streaming application for **iPhone/iPod Touch**.

*iTunes link:* [http://itunes.apple.com/in/app/mundu-radio/ id368709604?mt=8.](http://itunes.apple.com/in/app/mundu-radio/id368709604?mt=8)

* Refactored music streaming and media information display from iOS 2.x to 3.x. Integrated Last.FM scrobbles and Twitter for social media integration in the application. The application is available for download on iTunes

**Mundu Sync** - Synchronizes contact information between **iPhone, Blackberry** and other handheld devices over cloud using SyncML protocol.

* Generated vCards for contacts and implemented SyncML for exchange of contacts over cloud using HTTPS.