

# Ravikumar N

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## Professional Summary

1. Software Engineer with 1.3+ years of experience in design and development of Mobile applications.
2. Possess sound knowledge in Android application development, REST service integration, SOAP/JSON parsing, SQLite, Third party framework integration, etc.
3. Self-motivated quick learner and team player with excellent interpersonal skills.

## Technical Skills

Languages	Java, C++
Mobile Platforms	Android & Blackberry
Web Technologies	XML, SOAP, JSON & HTML
Scripting Language	Bash
IDE	Eclipse, Android Studio
Database	SQLite, MySQL
Version Control	SVN, Git
Operating System	Linux, Windows XP / 7

## Projects

### **Project #1:** [PowerUp Mobile](#)

**Domain:** Automobile

**Technology Stack:** Android(Java), XML, SOAP

**Organization:** Payoda Technologies

**Role:** Developer

### **Project Description**

"PowerUp Mobile" for Android is developed for a Canadian company which specializes in custom car dealer websites. The application is used to capture data about the vehicle such as VIN number, Make, Model, description, pictures, videos etc., The captured vehicle information is displayed in e-Dealer websites and the vehicle is listed for sale. The application further supports the user with options to search, edit and delete the uploaded inventory vehicle.

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### Key Responsibilities:

- Implemented Image to MP4 conversion and video stitching functionality using FFMpeg library to merge multiple videos into single MP4 video.
- Handled Video Capturing, storage, preview and delete functionality.
- Implemented OAuth Authentication and video upload functionality for YouTube.
- SOAP request construction & response parsing feature.

### Project #2: [Solidarity Takaful](#)

**Domain:** Insurance

**Technology Stack:** Android(Java), XML, JSON

**Organization:** Payoda Technologies

**Role:** Developer

### Project Description

Solidarity Saudi Takaful is an insurance company and is one of the leading players in the Middle-East. The application helps the insurance policyholders to file a claim without walking into insurance agency office. The end user need to upload the accident scenario images and list of required documents to create a claim. The policyholders are provided with Registration, Login, Password recovery, view list of claims, monitor claim status, Multi-Lingual support etc.,

### Key Responsibilities:

- Implemented application redesign, theme update and Image upload Queue functionality.
- Implemented dynamic menu construction based on the RSS feeds retrieved from the webservice.
- Added localization & RTL support for Arabic language.

### Project #3: [Reveal The Picture](#)

**Domain:** Games(Trivia)

**Technology Stack:** Blackberry 10, C++, XML.

**Organization:** Payoda technologies

**Role:** Developer

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### Project Description

“Reveal The Picture” is a puzzle game developed for Blackberry-10 platform. The game consists of 225 different levels with varying complexities. In each level, the picture is hidden with overlay of grids, the user needs to tap on the grids to reveal the picture. If the possible limit of grids to reveal is reached, then the user should guess the answer for the picture. If the guess is right then the user is provided with a new level or else taken back to the same set of picture.

### Key Responsibilities:

- Implemented game's core logic for updating scores, coins and puzzle grid display.
- Integrated In-App purchase to buy virtual coins.

### Academic Credentials

- Master's degree in Computer Applications from PSG College of Technology, Coimbatore, 2013. CGPA: 7.9.
- Bachelor's in Information Technology from Dr. NGP Arts and Science College, Coimbatore, 2010. Percentage: 75.19%.
- Post Graduate Coursework: Principles of Programming Languages; Advanced Data structures and Algorithms; Operating Systems (UNIX); Open Source Systems.
- Undergraduate Coursework: Databases; Software Engineering; Object Oriented Programming Concepts; Web Technologies.
- **Academic Projects**
  1. YAGUU – Yet Another GUI Utility for Unix. YAGUU is a graphical utility developed using Qt4, to ease the life of Linux newbies who are not proficient with commands and console. The utility provides intuitive UI for common commands like find, chmod, chown, ls, ps, sort, du, ping, cut, cat etc.,
  2. “DroidIt” – A To-do List application for Android with basic CRUD operations and “Location based Speech Notifications”.
  3. “Soft Computing Based Approach for Call Routing System” is a desktop application developed in Java to help the BPO's of Telecom sector to reduce its reliance on human agents for Call routing and the possible shortcomings of IVR. The system reads the input from the user and processes it by using soft computing techniques and finally routes the call to the appropriate desks.