

RESUME

Rabindra Nayak

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Objective

An accomplished software Engineer specializing in object-oriented Design Analysis with extensive experience in the full life cycle of the software design process including requirements definition, prototyping ,proof of concept,design,interface implementation ,testing and maintenance.

10 + years of Mobility experience in different Mobile OS platforms.

Summary of Technology Skill Set and Past Achievements:

- ✓ Architecture of 6 mobile apps using PhoneGap technology.
 - ✓ Architecture of 4 mobile apps using Native technology.
 - ✓ Expertise in developing PhoneGap plugin.
 - ✓ Established 2 mobility divisions in different companies from head count 1 to 25.
 - ✓ More than 25 mobile applications shipped to customers.
 - ✓ Supported too other mobile projects in company in early 2010 years.
 - ✓ Expertise in Native controls in Android.
 - ✓ Expertise in iOS using hybrid technology.
 - ✓ Expertise in Blackberry 10 apps using porting technology.
 - ✓ Expertise in Blackberry Native control using Java technology.
 - ✓ Expertise in mobile application stores registrations/account openings.
 - ✓ Expertise in pushing mobile apps to remote devices.
 - ✓ Matured in mobile development either Hybrid or Native.
 - ✓ Expertise in more than one JavaScript Frameworks like Angular, jquery
 - ✓ Knowledge of industry MEAP platforms.
 - ✓ Expertise in Old mobile technology platforms like J2ME,JDE,Wireless toolkit, Netbeansmobility.
 - ✓ Lots of communication protocols SIP,SMS,MMS,Socket programmings.
 - ✓ Well versed with APN, GCM technologies.
 - ✓ Well versed with agile methodology.
 - ✓ Well versed with Sprint releases.
 - ✓ Well versed with mobile testing tools.
 - ✓ Worked with open source and commercial library.
 - ✓ Expertise in GIT, SVN, CVS, Rally, IBM Devoops.
 - ✓ Showing POC, discussing with client on technology own some projects contract.
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PROFESSIONAL EXPERIENCE

Tangoe(NASDAQ : TNGO)India Pvt. Ltd.(www.tangoe.com,A communication managed company)

Lead Technology/ Product development group (Service is continued from Symphony since Tangoe Acquired Symphony Project, hence I am not joined newly in this company) From March 2013 to Present.

Manage mobility product development projects from India division within legacy software group of \$220 million telecom expense Management Company. Perform evaluation of mobility applications to existing enterprise applications and supporting to all platforms like Android, iOS and Blackberry.

Project: SAFE Mobile device Management.

Technologies: Samsung Enterprise device management APIs.

Devices Support: Samsung Android 4.2 and above supported devices.

Description:

SAFE™ (SAMSUNG FOR ENTERPRISE) is a program developed by Samsung designed to alleviate the security concerns of enterprises and employees using mobile devices for business purposes. This application is an enhancement of MDM generic android client to support SAFE (Samsung for enterprise) devices capability. By help of enterprise device management APIs administrator can enforce IT policies. Those policies includes enable/disable voice calls, enable/disable background data, enable/disable usb tethering, enable/disable Bluetooth tethering, enable/disable wifi tethering, enable/disable usb etc., many more features. In MDM server ,policies are defined and administrator any time enforce policies to enrolled Samsung devices. Samsung created enterprise grade APIs called enterprise device management APIs(edm) which will work by help of Samsung License keys to manage Samsung enterprise devices.

Duration: Target 12 months.

Team size: 5

Customer: All Tangoe's existing Customers.

Responsibilities:

- Requirement understanding.
- Followed Agile Methodology.
- Create various tasks from user story.
- Team Management.
- Coding using Android framework API.
- Bug fixing.
- Coordinating between on site and offshore team.

Poc:

Matrix Tablet

Technologies:

Android Native API, Charting Engine.

Description:

In this POC various Android charting engines are evaluated with capabilities as per our requirement .Bar chart ,Pie Chart, trigonometric charts and some customization chart requirements .In this POC various open source and commercial libraries are evaluated based on their capability .Some of them are AchartEngine,TeeChart,AfreeChart and ShinobiControls charts. Finally ShinobiControls which is a commercial chart library is finalizing to use in our development.

Duration: 2 Months.

Team Size: Individual Contributor.

Customer: All Tangoe's Customers.

Responsibilities:

- Research in various Charting Libraries available.
- Identify each library capability.
- Understand their framework.
- Present to Tangoe's decision makers.

Project: Tangoe Device Management (Vs13.3)

Technologies: Android Admin APIs.

Duration: N/A

Team Size: 10

Descriptions:

This project gives IT administrator's control over their personal devices in enterprise. This project involves extensive use of Android Admin APIs. It include Password enable and disable, minimum password length, Minimum uppercase letters required in password, Password expiration timeout, Maximum failed password attempts, Require storage encryption, Disable camera etc.,

Responsibilities:

- Looking Production defects.
- Track severe-1 ticket.
- Leading a small team.
- Tracking delivery time.

**Symphony Services Corporation Pvt. Ltd.
Lead Product development /R&D division.**

May 09 to Feb 13

Manage mobility product development projects within legacy software group of \$20 million telecom expense management business division of the company. Perform evaluation of mobility applications to existing enterprise applications and supporting to all platforms like Android, iOS and Blackberry.

- Developed 10 mobile applications.(2 iPhone and 2 iPad apps are in app store)
- Managing 50000 lines of mobile code.
- Working with different platforms.



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Category: [Business](#)

Updated: May 04, 2013

Version: 11.13.0.2

Size: 2.7 MB

Language: English

Description

With the EMS Invoice Approval mobile app for iPad, you can approve invoices anytime, anywhere. It allows managers the flexibility and convenience of performing key duties in EMS anytime, anywhere via their iPad. With the use of the mobile apps, you will find the information you need in graphical form to make decisions on approval and invoice management processes.

Key Features:

1. View list of invoice batches awaiting for approval.
2. View details of invoices.
3. Approve, reject or delegate invoices.
4. Add comments before approving or rejecting invoices.
5. View History of an invoice.
6. View breakdown graphs.

Note: To use EMS Invoice Batch Approval mobile app you must be a user of EMS service and/or software to access EMS data.

Project: Android Call Logger.

This Customized Real Time Mobile Software product is integrated with **Telephone Expense Management Software** of Existing web base Expense management systems. The Application Captures any Out going/Incoming Calls from an office approved android Phone. The Capturing Call details are **Device Phone Num, Duration of call, Date and time, Device IMEI Num, Dialed Num, Incoming or Out going call type, Network Provider name, Position of Caller using GPS, Roaming etc.,**. All those captured information will send to Server by help of web service. From Server end all those captured information will take and writing to a file and database and display on a webpage as a Tabular format. This is a System Software and Runs Background as a Spy. When User made or Receive Call it will wake up and come to foreground and ask user to submit all above information for Call Tracking and auditing Purposes.

Technologies: Java, SOAP, Android SDK, Android Telephonic API, Eclipse plugin, ant Scripts

Target Device: All Android OS phones, HTC, Samsung

Role: designed complete App client and implemented on existing web base. Framework and base code developed. WSDL file created using Apache web service.

Project: Android Mobile Invoice (Work flow) Approval.

Description:

Telecom invoices which is managed by cost center authorities can review on the go. They can approve, reject and delegate by help of smart phone. Managers can view dash board in graphical, history of invoice and can view complete details of invoice on move.

Responsibilities:

- Architect, Design and implement the Application.
- Coding server side.
- Coding and Releasing Software **Device Side** as Per Specified version and Time Line.
- Releasing Software using ant build process.

Technologies: PhoneGap(HTML5,JavaScripts,css), SOAP, Android SDK, Eclipse plugin, ant Scripts
Target Device: iOS/Android/Blackberry.

Role: designed complete App client and implemented on existing web base. Framework and base code developed. WSDL file created using Apache web service.

Project: Android Mobile order Approval.

Description:

When employee procure some item from our telecom expense portal the request must approve by Approvers before order to get finalize. By help of this software managers are immediately notify by smart phone. So they can view request details , approve, reject or delegate by help of Smartphones.

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Responsibilities:

- Architect, Design and implement the Application.
- Coding server side .
- Coding and Releasing Software **Device Side** as Per Specified version and Time Line.
- Releasing Software using ant build process.

Technologies: PhoneGap(HTML5,JavaScripts,css), SOAP, Android SDK, Eclipse plugin, ant Scripts
Target Device: iOS/Android/Blackberry.

Role: designed complete App client and implemented on existing web base. Framework and base code developed. WSDL file created using Apache web service.

Product: Real Time Call Logger 1.0.0

(Real Time Call management Software)

Client : Software Management Solutions, USA.

Team Size: 4

Duration: 6 Months

Target Devices: Blackberry-RIM OS

Software Type: System Software(Runs invisibly in background)

Role and Responsibility:

- Convert Requirement to Proof of Concept
- Proof of Concept to Product enhancement

- Coding and Releasing Software **Device Side and Server side** as Per Specified version and Time Line.
- Software Release using ant build process.

Client Side Tools Used:

- JDK 1.6, Blackberry JDE 2.1.0, Eclipse Plug-in, Blackberry Ant tool.
- **Rim Protocol:** Blackberry **Telephony API** and RIM GUI protocols, Blackberry ant tool.
- **Web Service Protocol:** SOAP Protocols for Mobile Web service.

Server End Tools Used:

- **JAX-WS API to produce web service.**

Release and Delivery Technology:

Using Blackberry Ant Script application will build and release.

Product Description:

This Customized Real Time Mobile Software product is integrated with **Telephone Expense Management Software** of Existing web base Expense management systems. The Application Captures any Out going/Incoming Calls from an office approved blackberry Phone. The Capturing Call details are **Device Phone Num, Duration of call, Date and time, Device IMEI Num, Dialed Num, Incoming or Out going call type, Network Provider name, Position of Caller using GPS, Roaming etc.,**. All those captured information will send to Server by help of web service. From Server end all those captured information will take and writing to a file and database and display on a webpage as a Tabular format. This is a System Software and Runs Background as a Spy. When User made or Receive Call it will wake up and come to foreground and ask user to submit all above information for Call Tracking and auditing Purposes.

Product: Device Inventory Discovery 1.0.0

Team Size: 1

Duration: 1 Month

Software Type: System Software(Runs invisibly in background)

Target Devices: RIM OS

Client : Software Management Solutions, USA

Role and Responsibility:

- Designing, Coding and Releasing Software

Client Side Tools Used:

- JDK 1.6, Blackberry JDE 2.1.0, Eclipse Plug-in, Blackberry Ant tool.
- **Rim Protocol:** RIM native protocols.UMT, Radio technology.
- **Web Service Protocol:** SOAP Protocols for Mobile Web service.

Server End Tools Used:

- **JAX-WS API to produce web service.**

Product Description:

This Customized application will Capture device Inventory every time interval. This application is a right tool and technology to track, monitor and manage your fleet of mobile devices and the people who use them. Application will track Phone number, cell tower, carrier, IMEI. Every Cycle application will run at background and send information

to Enterprises Server where no need of help desk service to monitor mobile device Inventory.

Project Lead Satyam Computer Services Ltd Bangalore		Oct 2008 to Apr2009
1. Research Project : Sakai (M-learning) Client : SITA (South Africa Information and Technical Advisory) Target Devices : Java Phones Team Size : 5 Module : 1 Duration : 3months Tools used : WTK2.5.2, Netbeans6.1		
Role & Responsibilities: <ul style="list-style-type: none">➤ Design complete flow of project by considering client requirement.➤ Customized GUI design.➤ Code Optimization.		
Project Description: This application will access learning material for government employee through mobile phones. The objective of this application is to enhance skills of government employees especially black community in South Africa. Using this application user download video clips, question answer and many more.		
2. Proof of Concept : Mobile Banking Prototype Client : Non discloser US client Tools used: WTK2.5.2, Netbeans6.1, Blackberry JDE4.7		
Target Devices : All J2me supported devices with different display size, Blackberry phones. Team Size : 5 Duration : 1 month Tools used: WTK2.5.2, Netbeans6.1		
Role & Responsibilities: <ul style="list-style-type: none">➤ Customized GUI design.➤ Code Optimization.		
Project Summary: This application will do exact action of client website. User can do fund transfer, balance Inquiry, bill payment etc,		
3. Proof of Concept : Mobile University Tools used: Nokia browser, JBoss portal server2.7.1GA, Nokia Mobile tool kit4.1		
Description: This application is a Single-sign on; Student can access learning content of the University through Mobile phones. This is a WAP based application which works on phone browser.		
4. Proof of Concept : Mobile Online Trading: Tools Used: Netbeans6.5, WTK2.5 Description: By help of this application client of a Stock Broker can watch stock quotes and user can buy and sell stocks on Broker's network.		
Senior Software Engineer Tagit(India) Pvt. Ltd (Now TagitMobile)		July 2007 to Sep2008

1. R&D Product: **Skua**ir (Mobile Image Recognition)
Client : Daem Interactive (www.daemiteractive.com)(Spain)

Target Devices : All J2me supported devices with different display size.

Team Size: 1

Duration: 3 months

Tools used: WTK2.5.2, Netbeans6.1, MMAPi, Base64 Algorithm, KXML.

Role & Responsibilities:

- Designing complete flow of project by considering client requirement.
- Coding at client end.
- Testing and bug fixing.
- Porting for different handset.
- Deploying on server.

Project Summary:

This technology identifies the advertisements photographed by users and sends back related multimedia contents. It is fast and easy for users click to win promotional offers .A powerful tool for **advertisement** and **media agencies** works for any camera phones and any carriers.

2. Project : **PlaywinMobileGame**
Client : Pan India Network Ltd, a part of the **One Billion Dollar Essel Group** of Companies.

Target Devices : All J2me Mobile supported devices with different display size.

Tools used : Mobeix platform (Middleware), WTK2.5.2, Netbeans6.1

Team Size : **2**

Duration : **1 month**

Role & Responsibilities:

- Coding and implement application for all j2me supported devices.
- Work closely with GUI Design.

Project Summary:

This project basically will do exact actions of desktop online Myplaywin lotto game. User can play on line lotto game by help of ITZ cash card, See bet result and can check ITZ cash card balance. Out of eight different types of games I have developed Joker game.

3. Project : **Singapore Airlines** Mobile Ticketing
Client : **Singapore Airlines** (World's leading Airlines,www.singaporeair.com)

Target Devices : All J2me Mobile supported devices with different display size.

Tools used : Mobeix platform (Middleware), WTK2.5.2, Netbeans6.0

Team Size : **2**

Duration : 6months

Role & Responsibilities:

- Designing complete flow of project by considering client requirement.
- Coding at client end.
- Testing and bug fixing.
- Porting for different handset.
- Implementing across Globe.

Project Summary:

The projects basically will do exact actions of client website .User can book Ticket ,check-in,change seat, select meal ,Get promotional offers ,capture bar code and see offers for a particular country .

1. POC: **Mobile Banking**
Tools: WTK, JDK1.4

Target Devices : Java Supported Mobile Phones.

Project Summary: This application shows your current balance, money transfer, cheque deposit; etc. Client can log on to his mobile phone and see all above things.

Team Size: 3

Role & Responsibilities:

- Porting to different mobile phones.

2. Project : **J2ME Image Lister Midlet.**

Tools : WTK2.2, JDK1.4, Tomcat server, database Ms Access.

Client : Mobile playground (UK).

Target Devices : Java Supported Mobile Phones.

Project Summary: Showing a list of images and descriptions coming from an http server. The back end is a simple http server. The Midlet sends post requests to the http server which then responds with a simple message. This message is interpreted by the Midlet and formatted and shown to the user.

Role & Responsibilities:

- Involved in fixing issues present in the master build, Debugging and RMS Related Issue and also code Optimized.
- Porting CLDC 1.0, CLDC 1.1, MIDP1.0 and MIDP2.0 supporting devices.

3. Project : **QUIZ-PILOT**

Tools : WTK2.2, JDK1.4, Tomcat server, Database Ms access.

Client : Pravin Consulting Services.

Target Devices : Java Supported Mobile Phones.

Project Summary: To create a bank of questions, each with choice of answers, in 3 subjects Facility for administrator to create Subject master. Facility for administrator to create / edit/ delete the questions, answer choices and correct answer for each subject and level. Program selects a question by random from the bank and displays it in text with 4 possible answers. User inputs his choice; Program shows correct answer

Role & Responsibilities:

- Involved in fixing issues present in the master build, Debugging and Porting CLDC 1.0, CLDC 1.1, MIDP1.0 and MIDP2.0 supporting devices.

4. Product: **Emhunter:**

Client: www.handango.com, USA.

Tools : C, Code Warrior for Palm OS,
Palm OS Simulator, Tungsten T, Windows 2000.
: Analyzing, Developing, and Testing.

Role and Responsibility: Analyzing, Developing, and Testing.

Project Summary:

It is a very good game any age group can play. The game is ,a cost guard is watching if any enemy can enter his territory he can protect in the sea. The game consist of three levels. Level one is slow speed ,level two is medium speed and level three is high speed .If user achieved high score a welcome message will display. Score display screen will display descending order score with name. This is a **5 stars** game rated by user.

5.Product: **Electrical Reference:**

Client : www.handango.com,USA.
Environment : C, Code Warrior for Palm OS,
Palm OS Simulator, Tungsten T, Windows 2000.
: Analyzing, Developing, and Testing.

Responsibility: Analyzing, Developing, and Testing.

Project Summary:

This application is an e-Learning material for engineering students and professionals. Application acts as a reference material for students and professionals. There are hundred formulae and lots of image diagrams can help quick reference at working spot.

6.Ultimate Drug Guide

Client : MedicalWizards Corporation, USA.
Environment : C, Code Warrior for Palm OS,
Palm OS Simulator, Tungsten T, Windows 2000.
: Analyzing, Developing, and Testing.

Responsibility: Analyzing, Developing, and Testing.

Project Summary:

Ultimate Drug Guide (UDG), based on Davis's Drug Guide (FA Davis Co) is a remarkable advance in drug reference. UDG contains the entire content of the Davis's Drug Guide, not just the drug information and has integrated calculation tools with all weight-based medications. Unit conversion calculators, information on controlled substance categories and nurse specific information is also included.

7.ERSuite 5.0

Client : MedicalWizards Corporation, USA.
Environment : C, Code Warrior for Palm OS,
Palm OS Emulator, Palm OS Simulator,
Palm IIIc, Windows 2000.
Responsibility : Analyzing, Developing, and Testing.

Project Summary:

ERSuite provides the valuable medical information necessary for all health care professionals who work in the Emergency, ICU/CCU, Pre-Hospital, or Critical Care Transport setting. It consists of 19 modules which provide detailed information and enables the user to perform instant weight-based calculations for drug dosages, antibiotics, critical care drips, emergency drugs, fluids, RSI, toxicology, infusion rates for both adults and children, and more for both Pediatric and Adult patients. Additionally, this product adds relevant information such as mixing, infusing and compatibility guides.

8.Sync Management

Client : Internal

Operating System : Windows 2000

Tools : VB 6.0 and MS Access

Testing Device : Tungsten T, Tungsten T3, Tungsten T5, Sony CLIE, Treo

Project Summary:

This conduit is developing for EMCON EMSYS TECHNOLOGY. This conduit not only installing the product also checking for new updates in the server. During the synchronization this conduit gets the details of the products installed in the device and check for update in the server. If new updates are available in the server then it gets data from the server and does the updating.

- Auto updating with palm device
- Reduce the cost of downloading new version

Education:

**Degree in Electrical Engineering in year 2000 from The Institution of Engineers (India).
Master in Science in Computer Science from Manipal University (Ongoing).**

Active Forum/member of technical discussion.
NOKIA developer group.

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