WORK EXPERIENCE

* **Android Developer and R&D at KanhaTech Solutions Ltd.**Bangalore. (July 2012 to Present date)

### Android Developer at [Web](http://www.indiamart.com/company/2035841/)tech Software &Service Ltd.Bhubaneswer (Sep 2010—July 2012)

HIGHLIGHTS

* **3 years and 8 of experience** in Software Development.
* Currently working in electronic Payment domain and have good understanding of the

e-Payment ecosystem

* Developing application of the mPOS devices with the Switch and Payment Gateway
* Having good experience in **FSK Algorithm**, **Bluetooth**.
* Good experience in **Media Player and Audio Recording, Threads, Handlers, AsyncTask** etc.
* Working in **NFC technology to read data from different cards (like Mayfair Classic 4k, AltraLite )**etc.
* Working with **web service, SQLite database, Google Maps** etc.
* Using **SOAP, JSON** handling the web service.
* Having experience in **TCP/IP with SSL**connection .
* Good knowledge on **Activity, Service, Intent, BroadcastReceiver, Camera** etc.
* Also working **with Wi-Fi printer** (print transaction receipt through Wi-Fi printer)
* One years of experience in development in core JAVA .
* In Java have Knowledge OOPS ,Thread,Exception handling etc.
* Expertise in requirement analysis, design, developing in Android, bug-fixing, defect prevention.
* Understanding financial message exchange standard ISO 8583 v2003
* Perform software development as per compliance POS (MSR,NFC and Barcode) payment .
* Functional experience in Mobile Applications.

EDUCATIONAL QUALIFICATIONS

|  |  |  |  |
| --- | --- | --- | --- |
| Qualification | College | Board/University | Percentage |
| MCA | NMIET,Bhubaneswer | BPUT, Orissa | 7.5(CGPA) |

SKILL SET

* **Programming skills:** ANDROID, JAVA
* **OS skills:** WINDOWS
* **Database skills:** SQLite
* **Tools :**Bugzilla, Eclipse

PROJECT DETAILS

**Project #1: mPOS application (Pin Pad Device)**

**Domain:** Payment Domain

**Details:**A POS (Point-Of-Sale) system is an electronic system typically used to manage the financial transactions in retail stores. It includes hardware components such as a microprocessor, Bluetooth,

Printer and also software to manage the sale operation.POS developed works in both contact and contact less process.

Application will read 8583 packet from the Bluetooth dongle based mPOS (MSR,ICC reader) that can be send in the phones and would perform the transaction. The transaction will be sent to payment servers for processing and result (authorization/approval/decline) will be received by the mobile application.

The application is designed for merchants who wish to use the smartphones for making and managing retail transactions. The application will provide the user with an interface/functionality similar to the POS device. User will be able to make a transaction, void a transaction, initiate a refund for transaction and view the history of transaction done.

Role: **Developer**

As a Developer was responsible for the following –

* Involved in the coding and Design for the Android Application .
* Have significant knowledge in various Mobile Application .
* Provided the support for production.
* Coordinating with team and assist.
* Inducting new members into team.

**Project #2: mPOS application (Audio Jack)**

**Domain:** Payment Domain

**Details:**A POS (Point-Of-Sale) system is an electronic system typically used to manage the financial transactions in retail stores. It includes hardware components such as a microprocessor, Wi-Fi, NFC, printer and also software to manage the sale operation.

POS developed works in both contact and contact less process.

Application will read encrypted MSR and NFC data from the audio dongle based mPOS (MSR and NFC reader) that can be plugged in the phones and would perform the transaction. The transaction will be sent to payment servers for processing and result (authorization/approval/decline) will be received by the mobile application.

The application is designed for merchants who wish to use the smartphones for making and managing retail transactions. The application will provide the user with an interface/functionality similar to the POS device. User will be able to make a transaction, void a transaction, initiate a refund for transaction and view the history of transaction done.

Role: **Developer**

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**Project #3: LBS (Location Based Payment)**

This application is for merchant can find all the customers nearby to his shop with in some fixed radius on an average of 10 meters. This request holds terminal key of merchant and subscriber id’s of customers who are visible on screen.If a merchant wants to initiate a payment for particular customer then click on particular customer in list and enter amount that a particular customer should pay.

Once merchant send a payment request, particular customer receives request with merchant name, location and total amount like so and so merchant with two options proceed and cancel.

Customer can choose either of the options based on the request.

If a customer feels it’s a not valid request he can choose cancel .On cancel of payment by customer merchant receives an acknowledgment like customer declined the request .If a customer feels it’s a valid request he can choose proceed for further payment .On acceptance of payment by customer

merchant receives an acknowledgment and the he starts requesting for final receipt. After getting

proceeds’ response from customer we have to send this request in a time interval until we get response

from server.If transaction is not done in a minute request time out is shown.Merchant sends a requestcontinuously to check if any customers have initiated a payment.If any customers have initiated a payment a popup is shown on the mobile.

After getting payment request got from customer either we can proceed or cancel the request.

If u proceeds further once we got response for this scenario send receipt request and for cancel quit the process by proper message. If a merchant feels it’s a valid request he can choose proceed for further payment.On acceptance of payment by merchant customer receives an acknowledgment and the he starts payment. If a merchant feels it’s a not valid request he can choose cancel.On cancel of payment by merchant customer receives an acknowledgment like customer declined the request.

Role: **Developer**

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**Project #4: CMS(College Management System )**

SMART CAMPUS MANAGEMENT SOLUTION for School, Colleges & Universities integrating core NFC technology with web based campus management solution – a complete web ERP for education institution enabling the NFC ID card to act as a CASHLESS CAMPUS ID CARD .

Web-based Campus Management Solution (WEB ERP) (Chalkpad Web ERP Application)

NFC Student ID Card Integrated with multiple web CMS modules using Mobile Application .

The ERP will be deployed on the Chalkpad Server in Chandigarh.The NFC Personalizing application will also be a web application which will pull the student database deployed on Chalkpad database. Mobile Phones Application for Attendance Marking & ID Card verification (as agreed to initially deploy these use cases in first phase).NFC ID Card Personalizing Application integrated with student’s database from CMS web.

Internet connectivity to access the CMS web ERP application (college will have to sign up for a broadband connection)Computers in different departments to access the access the CMS web ERP application (college will have use their own)NFC personalizing setup which includes following

Training the college faculty on how to use the Chalkpad ERP Web application .NFC ID Card personalizing for students &faculties. Appointing resources will depend entirely on the service provider.

Role: **Developer**

As a Developer was responsible for the following –

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* Catering Adhoc requests as and when the user requested.
* Coordinating with team and assist.
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**Project #5: tinyCam Monitor**

Mobile surveillance from any IP cameras for Android phones, tablets, Google TV.One of the best app available for Android for remote surveillance, control and video recording for your private/public network or IP cameras, video encoders and DVRs with CCTV cams. Monitor your baby, pet, home, business, traffic, and weather remotely and securely (no data being sent to 3rd parties). tinyCam Monitor provides best value to customers. Buy now to get more features in future updates for free! More than 25 major updates per year with new features!

Support for M-JPEG based devices of all major vendors (100+)  
- 1-way audio (listening) for D-Link, Edimax, Gadspot, SONY, Sharx Security, LogiLink, TRENDnet, Y-cam (selective models), Panasonic  
- 2-way audio (talking and listening) for Axis, FOSCAM, Loftek, Tenvis, Wansview, INSTAR, and more on the way!  
- SSL support (https) for secured monitoring and encrypting credentials  
- 11 different layouts with unlimited number of cameras support  
- Control pan-tilt-zoom (PTZ) enabled devices, i.e. Pixord, Vivotek  
- Relay, LED control for some models  
- Cyclic 24/7 video recording (sequence of JPEG images) on SD card, FTP server, or Dropbox. Video playback is under development.  
- Easy to use pinch to zoom for digital zooming and swipes for camera selection  
- Sequence mode for automatic cameras switching  
- Import/export settings to SD card or Dropbox service  
- Support for any USB/laptop cams through 3d party software for PC/Mac (see FAQ)  
- Native interface for Honeycomb tablets and Google TV  
- Very CPU efficient

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PERSONAL DETAILS

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DOB: 09th Feb.1984

Gender: Male

Marital Status: Single

Father’s Name: Bijay Kumar Bhuyan

Mother’s Name: Santilata Bhuyan

Permanent Address: At/Po- Kainagari. Via- Irda ,Dist-Balasore, 756080, Orissa.

Temporary Address: #Flat No-9

230/1, SiddmaLayout,Kadugodi Karnataka, Pin-560067

Language: English, Hindi, oriya.

Satyabrata Bhuyan

Bangalore