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| **AREAS OF EXPERTISE**  *Design & Development*  *Android Applications*  *J2ME Applications*  *Rest based Web Services*  *Phone Gap*  *Eclipse*  *NetBeans*  *Participated in* ***CMMI Level 3*** *Auditing*  **PERSONAL SKILLS**  *High performance*  *Delegating*  *Decision making*  *Organising*  **PERSONAL DETAILS**  *Sindu Kethan Y,*  *D.No: 3-8, Pallapu Street,*  *PeddaBrahmadevam, Samalkot Mandal, East Godavari Dst, Andhra Pradesh-533 434*  *M: 09000356666*  *T: 040-23541907*  *E:* [*sindukethan@cgg.gov.in*](mailto:sindukethan@cgg.gov.in)  [*ysindukethan@gmail.com*](mailto:ysindukethan@gmail.com)  *DOB: 20/08/1984*  *Passport: Yes*  *Nationality: Indian* | Sindu Kethan Yadlapalli  *Team Leader ( Mobile Applications )*  ***Centre for Good Governance, Hyderabad***  **PROFESSIONAL SUMMARY**  Possessing excellent management skills and having the ability to work with the minimum of supervision whilst leading a team of twelve or more. Having a proven ability to lead by example, consistently hit targets, improve best practices and organise time efficiently.  Now looking forward to a making a significant contribution as a team leader with a company that offers a genuine opportunity for progression.  **WORK EXPERIENCE**   * 5+ years experience developing applications for mobiles and web, experienced in software design and development in e-governance and m-governance domain. * Knowledge of XML, XML parsers. * Knowledge of physical and logical data modeling, performance tuning. * Knowledge of mobile applications development platform. * Experience in mobile application development using J2ME and Android. * Worked on common Android framework APIs. * Exposure to customer IT environments in multifarious projects. * Communication and problem solving skills. * Identifying the key areas of the assigned government department where automation & computerization is required to simplify the workflow of department and increase the accountability.   **ACADEMIC QUALIFICATIONS**   * Bachelor of Technology in Computer Science,   *Jawaharlal Nehru Technological University*   * Master of Business Administration   *National Institute of Business Management*  **KEY SKILLS AND COMPETENCIES**   * Participated in CMMIML 3 auditing and produced project- and process-specific documentation to ensure CMMI ML3 processes and conformance. * Team member of the project which got selected for **SCAMPI –B and SCAMPI-A** appraisal. * Able to motivate and lead others in a team environment. * Excellent communication skills, both written and verbal. * An ability to build rapport and trust quickly with work colleagues. * Able to prioritize tasks and workloads in order of importance. |

**P**ROJECTS

#1 APPSC Android App

***Client: Andhra Pradesh Public Service Commission***

***Android application :*** Layouts, Intents, SMS, SQLite, Network Connectivity, Web Services (Rest based), XML, Parsing. Multimedia API.

**Project Description**: Online Recruitment Processing System has proved its success in the past couple of years and served nearly 60 lakh citizen and added financial strength to CGG. Mobile-enabled services have lot of potential in this area to serve the citizen increasing its reach. SMS based broadcast services are already made available in this system. Need of the hour is to have interactive mobile-enabled systems through GPRS [2G/3G] connectivity.

**Mobile Application (Native Application)**

* Android version of the application can be provided for free download.
* Applicants can know the status of their submitted application for the Recruitment in response to the notifications.
* Applicants can submit their grievances through the mobile-enabled applications.
* Applicants can submit the objections if their candidature is proposed to be rejected by the recruiting organization.
* Applicants can know the schedule of examinations, Availability of Hall Tickets on the web, Special instructions if any for a particular recruitment through mobile.
* Applicants can also know their results, Marks Lists, Interview Lists and Selection Lists.
* Light Weight versions can be kept on the web which can be accessed through mobile to provide as much information as possible.

#2 ASI Android App

***Client: Andhra Pradesh Department of Economics & Statistics***

***Android application :*** Relative Layout, Intents, SMS, SQLite, Network Connectivity, Web Services (Rest based), XML, Parsing.

**Project Description :** Android application which will be installed on the Tablet PC given to the Assistant Survey Inspector(ASI) in a mandal will capture the details of the survey done the ASI in a given financial year. The application comprises of a survey form module and reports module. Survey Inspectors will take the survey of the factory in their jurisdiction and survey form will be populated with the data and it the details will be transferred to the server on the fly. The application also hosts an offline module which saves the data when there is no internet connectivity on the device. The application has auto synchronisation which pushes the data to the server when there is network availability.

**http://apdoes.cgg.gov.in**

**Mobile module (Android) :**

* Mobile application will capture the survey details.
* The mobile application is preinstalled and kept for easy download to the userbase.

#3 e-Hostels

***Client: Andhra Pradesh – Social Welfare Department***

***Android application :*** Relative Layout, Intents, SMS, Camera, SQLite, Network Connectivity, Web Services (Rest based), XML, Parsing, GPS (Location Based Services)

**Project Description :** Mobile application which comprises of three modules Attendance, Purchases & Issues. Hostel warden will be operating the application capturing the daily attendance of the students both in the school and hostel. Purchases made on a single day will be captured. Issues made on a particular day shall be captured.

**Mobile module (Android) :**

* Mobile application will capture the class wise attendance on daily basis.
* The application will automatically generate the bills for the selected month depending on the attendance captured and the purchases made.
* Timely graphs will pictorially represent the expenditure made per hostel/class/quarterly/yearly basis.
* The mobile application is preinstalled and kept for easy download to the userbase.
* Application push service is facilitated to install the application on the mobile.

#4 Mother & Child Health Care Tracking System (mHealth)

***Client: Andhra Pradesh Health Dept.***

***J2ME application:*** CLDC 1.0, 1.1, MIDP 1.0, 2.0, NetBeans 6.9.1, WTK, Record Management System, Wireless Messaging API, MMAPI, Location Based Services.

***Android application :*** Relative Layout, Intents, SMS, Camera, Location Manager(GPS), SQLite.

**Project Description :** Mobile application which captures the data from the ANM on hourly or daily basis. Registration of the eligible couples and expected mothers will be done using the application installed on the ANM mobile. Tracks the health status of the Ante Natal Case (ANC) registrations for a total of seven visits by the ANM.

[**http://mhealth.cgg.gov.in**](http://mhealth.cgg.gov.in)

**Mobile module (J2ME):**

* Mobile application will capture the details of the position of the ANM from where the details are being sent.
* Application will generate a unique ID for each ANC registered.
* Photograph of the mother and child will be captured in one of the visit.
* Alerts will be generated automatically prompting the ANM on what are the cases to be attended on a particular day.
* Dynamic generation of the mobile application.
* Application uses the Record Management System to store the generated IDs against each ANC.

#5 Right to Information – Online Certificate Course (RTI OCC)

***Client: Department of Personnel & Training (DoPT)***

***Technologies*** ***:*** Struts, Core Java, Servlets, JSP, Java Beans and Java Script

***Server :*** Tomcat6

***Role :*** Team Leader

***Database :*** Postgres

***Operating System :*** Windows

**Project Description :** Online Certificate Course is a tool which can be used by the citizens in India to gain awareness on the RTI Act. The tool is developed for three languages – English, Hindi & Telugu. In this project Candidate can register on the portal and he/she can take the online course on RTI Act. On successful completion of registration, candidate gets the login credentials through e-mail. Candidate can take the course by login into website with given credentials. This course contains the following modules.

* 7 days course module
* 15 days course module
* Moderator / Evaluator module
* Admin module for evaluation and administration privileges.

In order to take the 15 Day Online Certification Course, the Candidate has to qualify in 7 day online course quiz and has to file the RTI Application in any public service delivery department. The 15 Day online Certification Course contains 15 day online course quiz and proactive disclosure. On successful completion of the above two contents, The Candidate will get the Course completion Certificate which will be issued by The Department of Personnel and Training (DoPT) and Centre for Good Governance(CGG).

[**http://rtiocc.cgg.gov.in**](http://rtiocc.cgg.gov.in)

[**http://rtiocc.cgg.gov.in/hindi**](http://rtiocc.cgg.gov.in/hindi)

[**http://rtiocc.cgg.gov.in/telugu**](http://rtiocc.cgg.gov.in/telugu)

**Roles and Responsibilities:**

* Gathering Requirements
* Involving in all phases of SDLC.
* Role Specific Service Development.
* Generating the role specific reports.

#6 Enrolment Monitoring System

***Client: Unique Identification Authority of India***

***Mobile Application Module:*** J2ME, CLDC 1.0, 1.1, MIDP 1.0, 2.0, NetBeans 6.9.1, WTK, Record Management System, Bluetooth, Wireless Messaging API, File Connection API.

**Project Description :** Enrolment Monitoring System is a mobile based Mangement Information System to monitor the enrollments of residents across the States under the jurisdiction of UIDAI, Hyderabad centre. Hyderabad regional centre will be covering the states of Andhra Pradesh, Orissa, Chattisgarh & Union Territory of Andaman & Nicobar.

[**http://uidems.cgg.gov.in**](http://uidems.cgg.gov.in)

**Mobile module:**

* Light Weight User Interface Toolkit (LWUIT) used for building the user interfaces.
* One time configuration of the settings using Record Store mechanism.
* In the absence of network connectivity, data can be transferred using bluetooth to the PC.
* Text messaging service provided by Wireless Messaging API is used.

#7 Students Health Information Tracking System

***‘Has been awarded mBillionth Award South Asia for the year 2010’***

***Client: Unique Identification Authority of India***

***Mobile Application Module:*** J2ME, CLDC 1.0, 1.1, MIDP 1.0, 2.0, NetBeans 6.9.1, WTK, Record Management System, Wireless Messaging API.

Students Health Information Tracking System was developed to fill in the gap witnessed in dissemination of information concerning students’ health. Aimed at providing better monitoring mechanism of the health of the school children, in increasing transparency and reviewing of the hygiene environment maintained at these residential institutes.

[**http://swhits.cgg.gov.in**](http://swhits.cgg.gov.in)

**Mobile module:**

* A mobile application which can be generated from the website and can be installed in the mobile.
* High level screen components are used to build the user interfaces.
* Wireless Messaging API implemented to send SMS to the predefined number.
* Alerts will be generated from the server end to update the details daily.
* Details will be stored in the mobile for a week in order to resend the data.

#8 Dam and Canal Monitoring System

***Client: State Water Resources Department, Rajasthan.***

***Mobile Application module*:** J2ME, CLDC 1.0, 1.1, MIDP 1.0, 2.0, NetBeans 6.8, WTK

**Project Description:** The e-tool aids the irrigation staff in assessing the available water in the state across different and stage of water distribution in different canal networks. It facilitates data collection from different sources through SMS and online mode. The database of water inflow and outflows under various projects will facilitate the study of the inflow pattern, cropping patterns and guide the state in preparing for crisis management in shortage of water.

[**http://dcmsraj.cgg.gov.in**](http://dcmsraj.cgg.gov.in)

* **Customized mobile application** which facilitates the end-user to feed the required entries.
* **Record Management System (RMS)** for data storage.
* Application can be downloaded from the portal and can be installed in the mobile.
* Installation of the mobile application based on mobile number authentication.
* Mobile application supports two modes of operation – **SMS and GPRS**.

#9 Canal Network Flow Monitoring System

***Client: Irrigation & Command Area Development Authority (I & CAD), GoAP***

***Mobile Application module*:** J2ME, CLDC 1.0, 1.1, MIDP 1.0, 2.0, NetBeans 6.8, WTK, Record Management System, WMA,GPRS.

***Web Application module*:** Struts 1.3, JSP, Servlets, PostgreSQL

**Project Description:** A web based which provides the requisite information of water flow in the canal network of **17 Major Irrigation Projects** of Andhra Pradesh, to the concerned officials for decision making. The application will assist the designated officers by sending SMS / FAX giving water releases at various critical points in the canal network of a project. It alert the officials concerned in the event of any emergency situation either sending SMS messages or Fax to take immediate action.

[**http://apcada.cgg.gov.in**](http://apcada.cgg.gov.in)

* **J2ME application** to facilitate easy input for sending SMS from java enabled mobiles.
* **Mobile application** has been developed which operates in 2 modes, **SMS mode and GPRS mode**, thus facilitating the user to select the cost efficient option.
* **Dynamic generation** of the mobile application on the fly.
* An online water release and ayacut development monitoring system for the Irrigation & CAD department.
* Updation of water release information through SMS from authorized mobiles.
* Generic application to be extendable to other projects.
* Gauge Discharge updation through SMS and training to field staff.

#10 Reservoir Storage Monitoring System

***Client: Irrigation & Command Area Development Authority (I & CAD), GoAP***

**‘Won the *Silver Icon* in *National Awards for e-Governance 2009-10* under the category ‘*Innovative usage of Technology in e-Governance’’***

***Mobile Application module*:** J2ME, CLDC 1.0, 1.1, MIDP 1.0, 2.0, NetBeans 6.7.1, WTK, Push Registry, Record Management System, Mobile I18N,G11N.

***Web Application module*:** Struts 1.3, JSP, Servlets, PostgreSQL.

**Project Description:** Reservoir Storage Monitoring System (RSMS) is a web based software application that provides the requisite information of **17 Major and 32 Medium Irrigation Projects** on inflows into the reservoir, storage in the reservoir and outflows from reservoir such as release into canals and river. The software application demonstrates the innovative use of Information Technology for improving quality of life. **Mobile phone** is used as the medium of input for supplying the information to the software application.

[**http://cadarsms.cgg.gov.in**](http://cadarsms.cgg.gov.in)

* Field engineer and general public can send a short code to the designated number and can get a reply showing the status of any reservoir.
* **J2ME application** has been developed to facilitate the information sending by the field engineer. When this user friendly J2ME application is embedded in the mobile handset of the field engineer and used for sending information across, proper format of the SMS is taken care by the application itself.
* **Mobile application** developed for **english** and **telugu** version.
* When the mobile is equipped with **GPRS the J2ME application** can directly update the central database and it works interactively as the data flow is bi-directional between the mobile and central server.
* The information captured is disseminated automatically to predefined authorities in specified formats through **FAX / SMS**.
* The web module facilitates both **English and Telugu versions**.

I would be happy to provide any further information you might wish. Thank you for your consideration.

**Y. Sindu Kethan**