**Resume**

**Gajendra Sahu**

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**Experience Summary:**

* Around 2.4 years of experience in all facets of application development, from system design, implementation, maintenance, support, deploying and testing.
* Currently working as a Software Developer in **Exultsoft Technologies Pvt. Ltd. (Jan2013-Till Date).**
* Quickly grasping the application domain and databases involved to successfully implement and maintain the systems.
* Excellent design and programming skills in C and C++.
* Good knowledge in **Inter Process Communication, Multithreading programming, Design Pattern.**
* Good knowledge in **gdb** debugger.
* Good Knowledge and experience in using **sqlite3** database.
* Extensively involved in unit testing and functional testing of applications.
* Possess excellent technical skills and exceptional ability to quickly master new concepts.
* Good team player and flexible to adapt to the new tools, technologies required for the project with a steep learning curve.
* Good analytical thinking ability and communication skills.

## TECHNICAL SKILLS:

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| --- | --- |
| Languages: | C, C++,Xml |
| Design/Modeling: | OOAD, Design Patterns |
| Tools/IDEs: | vi editor, gedit |
| Database Methodologies: | Sqlite3 Database |
| Operating Systems: | Windows XP,Linux(Fedora),Unix |
| Tools: | MS Office |
| Protocol | Kermit protocol, TCP/IP,Http,Curl,PPP protocol |

# EDUCATION:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Qualification** | **University/Board** | **Year of passing** | **Division** | **Percentage** |
| MCA | BPUT , Orissa | 2011 | **1st** | 84% |
| +3 Phy(Hons) | UTKAL University, Orissa | 2007 | **1st** | 68% |
| +2 (SCIENCE) | C.H.S.E, Orissa | 2004 | **1st** | 60 % |
| 10th | B.S.E, Orissa | 2002 | **1st** | 77.2 % |

## #Project1:

Project : APMS

Client : RMZ eco space, DELL, ITPL, GOPALAN MALL

Location : India

Role : Developer

Team Size : TWO

**Environment:** C, sqlite3 database, Xml, Linux (Fedora)

**Synopsis:**

APMS (Automatic Parking Management System) is an embedded based application which gives a solution to manage the Vehicle Parking System. It requires one embedded machine, PC with Linux OS, Kermit protocol, micro controller, boom barrier, SDK of embedded machine, smart cards, RFID reader, Internet, Kiosk, LAN adaptor, Java server, C or C++ and Java language.

In this application Terminal first receive the smart card details and Company details from the server through LAN. When vehicles will come to park in the entry Gate, they have to flash their smart card in entry KIOSK and if it is valid card ,then it check parking space is available for this card or not. If it is available then boom will open and employee can park their vehicle otherwise it will not open. In exit gate if the employee wants to exit his vehicle, then he has to flash his card again in exit gate. Both entry and exit transaction will be updated in server. All the transaction will be happened automatically.

The benefits of the Automatic Parking Management System (APMS) include:

* Automated Parking Management.
* Time management.
* Real Time transformation of data to the Server (Backend).
* Real time report generation.

**Responsibilities:**

* Develop the code in C.
* Analysis and Designing the flow of the automatic embedded system.
* Testing and Debugging of the codes.
* Deploying the project in Client place.
* Client Interaction and Implement the requirement in my project.

**#Project:2**

Project : ACMS

Client : IIMB, BIAL, APOLLO HOSPITAL, KIMS HOSPITAL

Location : India

Role : Developer

Team Size : Three

**Environment:** C, C++, sqlite3 database,xml, Linux (Fedora)

**Synopsis:**

ACMS (Automatic Canteen Management System) is a embedded based billing application which gives a solution to manage the Canteen System. It requires one embedded machine(Terminal) , PC with linux OS, Kermit protocol, micro controller ,SDK of the embedded machine, smart cards, RFID reader ,Internet, printer, Lan adaptor, Java server(backend), C , C++ and Java language.

In this application Terminal first receive the smart card details of the all employees of the organization from the server through LAN. In this billing application, there are two type of mess. One is fixed mess and other is Extra mess. In Fixed mess when the employees of the organization will flash their smart cards, first terminal will validate the cards, if it is valid card then based on the time, terminal will generate/print the food coupon. i.e. if it lunch time then it will print the lunch coupon. If it dinner time then it will print the dinner coupon and so on. But in extra mess, when the employees will flash their smart cards, first terminal will validate the cards, if it is valid card then it will ask to enter item code, operator will enter some item code and based on the item code, bill will be generated. Both Fixed and Extra mess transactions will be sent to the server automatically. Each transaction of both messes will be sent to the server automatically.

The benefits of the Automated Canteen Management System (ACMS) include:

* Automated bill generations.
* Time management.
* Real Time transformation of data to the Server (Backend).
* Real time report generation.

**Responsibilities:**

* Develop the code in C, C++.
* Analysis and Designing the flow of the automatic embedded system.
* Testing and Debugging of the code.
* Deploying the project.