Résumé

Raunak Poddar

Postal address:
Puthur Hills, Parkala
Udupi District - 576 107
Karnataka, India

e-mail: raunak.poddar@gmail.com
Mobile: (91) 998 617 2944

Objective

To nurture my skills in a dynamic environment where there is a smooth flow of creative ideas. As a programmer I am looking forward to work with an organization which has a clear vision, where I could take up new challenges, enhance my abilities and broaden my horizons.

Summary of Qualifications

- Extensive experience with front-end application development for Mac OS X and iOS platforms
- Full project life cycle development from conceptualization to deployment of iOS applications
- Apply creativity in human-machine interaction to design clear and intuitive user interface
- Good experience with database technologies including SQ-Lite and MySQL
- Good understanding of web-technologies including HTML, javascript and PHP.
- Worked with signalling protocols (SIP), wrote a soft-phone for Mac OS X using PJSIP
- Worked with open-EMR (open source EMR system)
- Excel in team collaboration and solution analysis

Professional Experience

Telenetix Pvt. Ltd. (Part of Interlink Network Systems, Inc.) **July 2010 - Present**

Software Engineer

Recruited as a fresher Trainee Software Engineer. Most of my work here involves porting our existing applications in Windows and Linux to Mac OS X. I keep looking into areas where our existing technology could be integrated with an app on the iPhone or iPad offering more convenience and control to our clients.
I have also spent some time studying signalling protocols, especially SIP and written a soft-phone for Mac OS X using the open source PJSIP stack.
I have worked with open-EMR, an open source EMR system to integrate it with an iPad application.

Educational Qualification

- Bachelor of Engineering (Electronics and Communication) from S.I.T., Tumkur, Karnataka (affiliated to Visvesvaraya Technological University, Belgaum.)

- Indian School Certificate (12th standard) from Don Bosco School, Liluah, Howrah

- Indian Certificate of Secondary Education (10th standard) from Don Bosco School, Liluah, Howrah

Software Proficiency

- Cocoa (Cocoa Touch and related frameworks) for Mac and iOS app development in Xcode
- Languages: Objective-C, C, C++, PHP and Python
- Version Control Systems: Git, SVN
- Operating Systems: Mac OS-X, Apple iOS (mobile), MS-DOS, Windows
- Web Designing: HTML, CSS and Javascript
- Assembly level programming for Microcontrollers (8051)
- Matlab
- VHDL and Verilog Programming
- Working knowledge of MS Office, Adobe Photoshop and Corel Draw

Additional Training

While in college, I used to teach part-time in a local Hardware & Networking training institute. This has given me a good experience with hardware assembling, setting up and maintaining small to medium network infrastructure.

Achievements

- I had been a member of “Pathfinder”, a student body in the dept. of E&C, SIT Tumkur. Pathfinder organizes various events and seminars for nurturing Leadership, Communication, Team Work and Event Management skills in students.
- Worked as the editor of the departmental newsletter, “ICHO”
- Appointed as the school captain in 12th standard for my leadership qualities.
- Member of “Space Byte” for several years during my schooling career. Space Byte is a student organization at Don Bosco which organizes various events relating to computer awareness and handles the IT infrastructure at school.

Academic Project Profile

1. **Implemented the "Automatic vehicle licence plate detection and car parking slot assignment system" as the final year project in S.I.T., Tumkur.**

   Brief description of the project:

   The basic idea implemented in this project is to setup a security based car parking system for corporate/university campuses and apartments where only certain registered/privileged vehicles are allowed to be parked in the parking area.

   The system uses an 8051 microcontroller interfaced to the PC via the COM port. The Matlab code running on the PC is used for number plate detection and character recognition. A web camera of about 12 Mega Pixel resolution is used to capture the image of the vehicle during the time of entry and exit.

   The microcontroller board is interfaced with an LCD, a series of weight sensors, two stepper motors and two Infra Red obstacle sensors one each at the entry and the exit point. The microcontroller program has been coded in C.

   All these components work in synchronization and there is little and no need for human interaction/supervision once the system is properly setup and trained.

2. **Implemented "SMS based interactive Car Pooling/sharing system" as a hobby project.**

   Brief description of the project:

   The idea of this project is to develop a system whereby commuters in a specific route may share the space on their vehicles with fellow passengers traveling along the same route. The system helps them to get to know each other by using the Short Messaging Service.

   The system uses a GSM modem interfaced to the PC via the COM port. The GSM modem connects to a GSM network and the PC controls its functionality. I used some open source library in Visual C# for sending and receiving SMS and simple data structures to store and process the incoming messages.

   Upon arrival of every new message, the system compares it with all the previously received messages and upon a successful route match composes new SMS messages to let a pair of people traveling along a common route to know each other's names and mobile numbers.

3. **Implemented "Library management system using data files in C++" as my 12th standard Computer Science project in Don Bosco.**

Brief description of the project:

The library management system would present a menu in front of the librarian with options like adding new books to the library, update category of a book, specify table number and rack number of a book, search for a book by ISBN/author/title/category, add a customer, update/ delete a customer, lend a book, accept a book, etc.

The project was designed to run on a standalone machine. All interactions between the user and the system are through the console. The entire project has been coded in the MS-DOS based Turbo C++ IDE.

Personal Skills

Although I am a good team worker, I prefer spending some time alone when I'm looking for particular solutions to problems that I get stuck with. I like interacting with people around me, be it my colleagues or a new acquaintance.

I have the ability to direct the efforts of my team towards achieving a common goal. I love to keep things around me, including the modules of my codes properly organized. I like to make things work effectively with the minimum amount of effort and resources i.e. Waste not Want not.

Personal Profile

Name:	Raunak Poddar
Nationality:	Indian
Date of birth:	19th March, 1986
Languages known:	English, Hindi, Bengali and Kannada
Interests and activities:	Logic building and coding Swimming, playing badminton, snooker and cricket. Reading magazines, non-fiction novels and ancient Indian literature Trekking.

I hereby declare that the above stated information is true and the best to my knowledge.