



4775 Crest View Avenue  
Ypsilanti, MI 48197, USA

Phone (734) 644-5107  
E-mail saquibrazak@yahoo.com

# Saquib Razak

## Education and Certifications

2000 - 2002                      University Of Texas at Austin                      Austin, TX  
**Master of Science in Electrical Engineering.**

1994 - 1997                      University Of Texas at Austin                      Austin, TX  
**Bachelor of Science in Electrical Engineering.**

2001                                      **Sun Certified Java Programmer**

## Professional experience

September 2004 – Current    King Fahad University (KFUPM)    Dhahran Saudi Arabia  
**Lecturer**

August 2001 – May 2004    Motorola                      Farmington Hills, Michigan, USA  
**Senior Software Engineer**

- Working on an embedded system for automobile security and tracking, using Motorola's 6808 microprocessor and Cosmic Compiler for C.
- Duties include
  - Gathering software requirements from product specifications.
  - Designing and implementing software to meet product spec.
  - Performing Unit and System test.

August 2003 – May 2004    Lawrence Tech University                      Southfield, Michigan, USA  
**Adjunct Faculty**

- MCS1142 Intro to C: An introduction to the C programming language (2 credit hours) freshmen level course.
- MCS2514 Computer Science 2: A junior level course in C++ and data structures (4 credit hours) covering topics like Records, advanced file input/output (random access), dynamic memory allocation. Static and dynamic implementation of stacks, linked lists (ordered and unordered), queues (regular and priority), circular queues. Selection and insertion sort, binary search.

09/02 – 07/03                      Bynsoft Technologies                      Ann Arbor, Michigan, USA  
**Software Engineer (Part Time)**

Worked on a Hemo-RAM Homeostasis Analyzer using Visual C++. The application interacts with hardware modules to perform chemistry testing of blood, reagents or assays. The module consists of a Motorola 68332 processor that controls and monitors the LEDs, photocells, heater, temperature sensor, and Hall effect devices.

02/98 - 08/01

Motorola

Fort Worth, Texas, USA

## **Software Engineer**

### **Projects**

*Magellan pager*: A Digital Signal Processor that supports ReFLEX2.7™ Protocol for major national paging service providers.

- Worked with a group of six engineers
- Updated the requirements from the previous version of the protocol
- Wrote Design documents for different features of the protocol
- Developed the code and performed unit testing
- Integrated the code and performed integration testing

*Musaid Test tool*: A tool with Graphical User Interface, designed to write and execute test scripts to test Software in a messaging device

- Gathered requirements by assessing the needs of the test engineers
- Created design documents
- Developed the test tools with GUI interface using Visual C++
- Tested the tool by creating and executing test cases
- Trained the test engineers in using the tool
- Deployed the tool in Texas, Florida, Arizona and Russia

*Dragon T900 pager*: A two-way messaging device with a keyboard.

- Worked in a group of three engineers to release Digital Signal Processor code for Dragon T900 pager.
- Wrote requirements based on behavior documents received from the customer.
- Designed and developed the code for the new features of the two-way device.
- Performed unit and integration tests on the device
- The pager was release in June 2000 and is being sold all over the US on Skytel's nationwide network

*ReFLEX50™ expansion*: DSP code written to increase system capacity for Skytel's nationwide network

- Gathered requirement
- Designed and developed the DSP code
- Performed unit and integration testing
- Wrote and executed test scripts to test the protocol
- Released the code for lynx pagers in December 1999 and is being sold in the US.

08/94 - 12/97

University of Texas

Austin, Texas, USA

## **Computer Lab Proctor**

- Assisted students in C, C++, assembly language, MS office and Unix OS
- Managed computer lab accounts for students

## **Computer Skills**

Computer Languages: Visual C++, Java, C, PHP, MySQL, Assembly Language (Motorola 68000, 6800, Lucent 16xx DSP), HTML.

Operating Systems: Unix OS, Sun OS, Windows 9x/NT, DOS.

Software Packages: Visual Studio, MS FrontPage, Macromedia Dream Weaver, MS Office, Doors, Rationale Clearcase, MS Visio.