Ahmed Isam Abdelrahim

CONTACT INFORMATION	Nationality: Sudanese Marital Status: Single Website: http://sudancs.com	Date of Birth: 24 - Aug- 1985 mobile: +966 540894249 e-mail: suda.nix@hotmail.com

OBJECTIVE

Software Engineer with in-depth knowledge looking for challenging position in the field of application development and system programming to gain experience in the field and raise the work efficiency.

RESEARCH INTERESTS

Operating system development, kernel and system programming, free and open source applications/libraries development.

EDUCATION

University of Khartoum - Faculty of Mathematical Sciences.

Bachelor (BSc) Degree in Computer Sciences   **October 2004 – July 2010**
Upper Second-Class Honours

CERTIFICATION

Nokia Certified Qt Developer.   **November 2010**

PROFESSIONAL EXPERIENCE

Center of Excellence in Information Assurance, King Saud University , Saudi Arabia

Software Engineer   **December 2010 – present**
Applying software engineering practice.
Design and implement multi software related to the information assurance field:
Parental Control System,Document Authentication system with QR-code and Smart card authentication.

TECHNICAL SKILLS:

Programming languages
    C ,C++, Java, PHP, Java Script, C# and x86 Assembly.
Frameworks
    Qt, .Net, Android and CodeIgniter
DBMS
    MySQL, SQLite, PostgreSQL ,MS SQL Server and Oracle .
Applied Knowledge
    UML/OOP/Design Patterns
    Object oriented system analysis and design
    Relational database design
    Debugging and unit testing
    Coding style and documentation
    Linux administration
Open Source Application/Tools/Libraries
    GNU's tools and libraries
    Asterisk : VOIP,PBX
    Content management system: Joomla,wordpress
    Control Version Managements: git,svn,cvs
    Bug and Issue tracking system: Trac.
    LaTeX typesetting system

AWARDS

2nd place for University of Khartoum - Faculty of Mathematical sciences "School Got Talent" programming competition.   **May 2010**

TRAINING

International Turnkey Systems (ITS) in Sudan.   **July 2010**

SELECTED ARTICLES ON INTERNET

"Design and implementation of operating system", *University of Khartoum*,2010.

"Reusing of open source libraries", *Computer science student's community in Sudan*,2009.

"Cross platform development with Qt", *Qt arabic community*,2008.

"Data structure for absolute beginners", *Visual C for arab web site*,2007.

RECENT PROJECTS	**eqraOS**: An open source operating system written from scratch for academic purpose (graduate's project), it support alot of modern OSs features like 32-bit PMode,Interrupt-based,Hybrid Kernel,HAL layer,Basic C++ runtime support,Virtual Memory with paging,support up-to 4 GiB physical memory,FAT12 file system,Keyboard driver and Boot from USB/CD (C/C++,Assembly).
	Parental Control System: A Commercial software for control usage of Computer and Internet, its capable of blocking unwanted web sites and programs , disconnect the Internet with respect to the Allowed Times Table, Monitor keystrokes, Monitor Screen and take Screenshot in a specific times, Sniffing HTTP requests, Mangae each user in a separate profile. (Win32 API and C++/Qt).
	Al-Moazen: Cross platform GUI application for calculating Muslim prayers times by a powerful mathematical equations. it has a handful of features like Azan, Azkar and ability to run on Windows,Linux,Embedded devices and Mac OS X (C++/Qt).
	SMS server: Linux Application for sending and receiving SMS by connect a GSM modem to the computer (C++).
	Function plotter: Cross platform mathematical functions plotter, it can draw all mathematical functinos. the development team include Ahmad Essam, Muhammad Al-Abdly and Ahmad adel (C++/Qt).
	Al-Nozom managment system: System for managing Al-Nozom company in Saudi Arabia, it was targeted to work in Windows,Linux and Nokia Mobiles (C++/Qt).
	Al-Mymana medical accouting system: System for managing accounts for Al-Mymana Medical in Sudan (C++/Qt).
	Mobile Game: TicTacToe for Nokia mobiles, it has two game modes: standard and extension mode and it support online playing with Internet or Bluetooth. Also the player can choose to play to other player or to the AI mobile.(C++/Qt).
COMMUNITY EXPERIENCE	Cross platform Administration in arabteam2000.com website. **2009 - present**
	Webmaster and Moderating Computer science student's community in Sudan http://sudancs.com website. **2008 - present**
	Webmaster and Moderating Qt Arabic community http://qt-ar.org website. **2008 - present**
LANGUAGE	**Arabic**: native language. **English**: working knowledge (excellent in reading, good in speaking & listening).
PERSONAL SKILLS	Interactive and able to learn new technologies and Languages. Perfect ability to meet deadlines and work under pressure. Ability to work individual and as part of a team. Ability to think "outside the box".
REFEREES	*Available on request.*