

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: <ul style="list-style-type: none">• Gain experience in the field.• 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. <i>Bachelor (BSc) Degree in Computer Sciences</i> <i>Upper Second-Class Honours</i> October 2004 – July 2010	
CERTIFICATION	Nokia Certified Qt Developer.	November 2010
PROFESSIONAL EXPERIENCE	Center of Excellence in Information Assurance , King Saud University , Saudi Arabia <i>Software Engineer</i> December 2010 – present Applying software engineering practice. Design and implement multi software related to the information assurance field: <i>Parental Control System, Document Authentication system with QR-code and Smart card authentication.</i>	
TECHNICAL SKILLS:	<i>Programming languages</i> C ,C++, Java, PHP, Java Script, C# and x86 Assembly. <i>Frameworks</i> Qt, .Net, Android and CodeIgniter <i>DBMS</i> MySQL, SQLite, PostgreSQL ,MS SQL Server and Oracle . <i>Applied Knowledge</i> UML/OOP/Design Patterns Object oriented system analysis and design Relational database design Debugging and unit testing Coding style and documentation Linux administration <i>Open Source Application/Tools/Libraries</i> 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. L ^A T _E X 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", <i>University of Khartoum</i> ,2010. "Reusing of open source libraries", <i>Computer science student's community in Sudan</i> ,2009. "Cross platform development with Qt", <i>Qt arabic community</i> ,2008. "Data structure for absolute beginners", <i>Visual C for arab web site</i> ,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.