**Mirghani Moutaman**

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Energetic Computer Engineer with 2 years of experience in Embedded Systems, Software, Computer Engineering and Teaching. Seeking a position of Electrical/Electronics, Software Engineer or a Web developer role. Have strong analytical skills and poses a great passion in programming using Object Oriented Programming (OOP) languages.

# Work Experience: \_ \_

**Computer Engineer *Jan 2015 – Present***

*Badr Technical Corporation, Khartoum North*

* Work with hardware and software, ensuring that the two are seamlessly integrated and functioning properly.
* Design and configure circuit boards, microcontrollers, sensors and other embedded devices.
* Test theoretical designs and implement them.
* Create, test and debug programs and applications that run on computers.
* Create user-friendly interfaces and develop desktop applications.

**Part-time System Engineer *Feb 2015 – Feb 2016***

*The Ministry of Agriculture, Livestock and Irrigation, Khartoum*

* Maintaining and repairing computers, printers and other office equipment.
* Setting and configuring new devices.

**Part-time Teaching Assistant *Jan 2015 – May 2015***

*Faculty of Engineering, University of Science and Technology*

* Assess, record and report on the progress of the students.
* Getting the classroom ready for lessons.
* Leading classes under the direction of the teacher.

**Part-time Teaching Assistant  *Oct 2014 – Feb 2015***

*Faculty of Engineering, University of Khartoum*

* Encouraging students and acting as an advisor for students.
* Instruct and assist students with class work.
* Marking and correcting tests and home works.
* Preparing lesson plans, teaching classes and evaluating student progress.

# Education: \_ \_

**B.Sc. (Honors) in Electrical and Electronics Engineering - University of Khartoum**

**Major: Electronics and Computer Systems Engineering**

First Class Honors (CGPA: 7.52 out of 10)

## 2009 - 2014

One of the Top Hundred students in the Sudanese Secondary School Certificate (33rdrank), achieving score of 94.9%.

# Courses and Technical Training: \_

**Digital Signal Processing** NCTR, Khartoum, Sudan*2013 – 2014*

**Advanced C Programming** UTL Technologies Ltd., Bangalore, India *Aug 2015*

**ARM Cortex Microcontrollers** UTL Technologies Ltd., Bangalore, India *Aug 2015*

**Visual C#.Net** UTL Technologies Ltd., Bangalore, India *Sep 2015*

# Technical Skills:

* **Embedded Systems:** AVR, Code Composer Studio, and Keil uVision for Microcontroller Based Projects.
* **Electronic Circuits Design:** Altium Designer, Pspice, Protous, Electronic Workbench and Multisim.
* **Web development:** ASP.NET**,** HTML, CSS, JavaScript and jQuery.
* **Database:** MySQL and ADO.NET tools.
* **Programming:**C, C++, C#.
* **Simulators**: Matlab and Simulink.
* **MS Office**: Excel, Word and PowerPoint.
* **Hardware:** PCB, Sensors, GPS, GSM, Servo Motors, DC Motors, Soldering.

# Interpersonal Skills: \_

* Able to work under pressure and to tight deadlines.
* Adaptable, ambitious, competent, dedicated, flexible and hardworking.
* Able to work individually or in a team.
* Have a strong will to learn and improve myself.
* Have good listening and understanding ability.
* Self – motivated and a quick learner.
* Strong problem-solving and analytical skills.

# Language Skills: \_

Arabic: Fluent (mother tongue).

English: Proficient – IELTS Score 7.5.

# Extracurricular Activities:

* Attendee at BANAN-IT Company Expo for Academic Superior Graduates, Salam Rotana Hotel, twice in January 2011 and January 2013.
* Developed a dynamic website named “Hababkom” which was connected to mail server and a local database. Was the main designer and the only developer.