Shehab Ibrahim

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» Education

Computer Man College for computer studies
BS c honors computer engineering, 2005
Projects (under graduation)

- designed stepper motors controlling circuits
- designed DC motors controlling circuits
- been part of UAV project team
- final project : mobile banking systems

» Technical skills

- Digital circuits design & prototypes development.
- Solid practical knowledge on ARM Sitara embedded programming.
- Solid practical knowledge on (PIC,ATMEL)microcontrollers programming.
- Compilers / Keil C debugger environment , Code Wright
- Solid practical knowledge on designing communication interfaces (USB,RS232,RS422,RS485,Ethernet & wifi modules).
- Solid Orcad capture (library, schematics and PCB editor)
- Vb.net,vb.net compact.
- Solid practical knowledge on designing and programming tracking systems ,
- Excellent experience on trouble shoot and maintain electronics boards.
- Excellent knowledge about PLC systems
- Good knowledge about SCADA systems
- Basic knowledge about BMS
- Basic knowledge on Linux porting, android porting ,shell scripting.
- Excellent on MS office , MS VISIO .
- Very good experience on issuing RFP,RFQ,BOM, Procurement activities.

Language
Arabic (Native).
English(fluent).
Chinese (very basic).

» Work Experience

ZEC engineering , Khartoum, Sudan
vb.net compact developer, 2006-2007

- *Developed software of tracking , navigation and command and control using PDA(WINCE based) and VHF communication devices*

ZEC engineering , Khartoum, Sudan
Hardware design engineer, 2007-2013

- *Designed hardware terminals for vehicle tracking using at89s52 microcontroller and LR9334 GPS module.*

- *Been part hardware team which designed shoot training simulator using PIC microcontrollers and Allen Bradley PLC ..*

- *Designed a custom total station device to measure angles (elevation and azimuth) using position encoders and microcontroller, integrated it with laser range finder and GPS to find objects coordinates.*

ZEC engineering , Khartoum, Sudan

Projects manager, 2014-2016

- *Been a project manager of a team which build custom boards based on TI's ARM processors*

- *Participate on some hardware designs with the team of the custom boards like (custom pda , head mounted terminal , data entry and archiving terminals) .*

EMC *(electronic manufacturing center) Khartoum , Sudan*

Technical manager 2016 – 2017

- *communication with overseas original equipment manufacturing for production planning and technical/logistical issues*

- *follow up production plans of LED television ,air-condition and LED lights production lines with responsible departments*

- *supervise sales plans .*

Indonile investment *Khartoum , Sudan*

Solar energy section head 2017 – present

- *Develop solar energy solutions base on market and customer requirements.*

- *PV placement design and analysis.*

- Supervising *Plants and projects installation and commission.*

- *Generate Single line drawings for grid-tied systems*

- *Load and power calculation for offgrid system(battery based system) .*

- *Solar pumping water / power calculation design .*

- *Coordination with material suppliers*

- *Preparing technical/commercial proposals for projects and tenders*

  Main projects I managed

  1- 10,000 unit of 150watt offgrid systems for rural villages in Sudan(project owner was Sudanese electricity company)

  2- 300 kw grid tied power station (installed on ten different geographical locations / project owner Sudanese electricity company) this project was to encourage companies and entities to start using solar energy.

3- many solar pumping projects with different capacities and types (submersible , centrifugal .

4- many of power backup systems (home ups) .

» Training and certificates

- *CCNA (640-802) certified*
- *Passed implementing cisco ip routing (642-902 CCNP routing paper).*
- *Project management professional exam preparatory course (LAD consulting Khartoum – Sudan 2015)*
- *Embedded systems training course .(UTL training - Bangalore – India 2007)*
- *Embedded hardware design and Linux kernel build up course .(GNHsoft – Bangalore – India 2012)*

» Countries I've visited before

- *UAE (several times - place of birth & primary education)*
- *China (17 times for inspections/product/supplier selection/contract discussions ,etc..)*
- *Turkey (5 times for inspections/product/supplier selection/contract discussions ,etc..)*
- *India (5 times for official mission and training courses)*
- *Russia (official mission)*
- *Thailand (attending exhibition)*
- *Macau(attending exhibition)*
- *Austria – Slovakia – Hungary-Netherlands (official mission)*

» Personal info's

- *Gender: Male*
- *Nationality : Sudanese*
- *Martial status: married*
- *Date of birth : 19/09/1983*

» References

- *DR. Hisham ahmed ali*
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  Currently technical consultant Sudanese tax authority