**Mohannad Abdulaziz Babeker**



**Home**

:

Al Rashidiya 3 - Shiekh Khalifa Bin Zayed St, Ajman, United Arab Emirates

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**Email:**

mohannadabdo21@hotmail.com

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**Phone:**

(+971) 562553628

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**LinkedIn:**

https://www.linkedin.com/in/mohannad-abdul-aziz-babeker-6bb98411

[1](https://europa.eu/europass/eportfolio/screen/redirect-external?url=https://www.linkedin.com/in/mohannad-abdul-aziz-babeker-6bb984111)

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**ABOUT ME**

* Over 8 years of experience in diagnosing, troubleshooting, and repairing a variety of devices including desktop PCs, laptops, tablets, and phones.
* Proficient in handling both hardware and software issues, with a focus on Apple and Windows products.
* Passionate about keeping pace with emerging technology trends in IT and software engineering.
* Strong skills in C, Python programming, Git, and Bash scripting, enhancing my problem-solving capabilities for efficient system repair and optimization.
* Experienced in advanced electronic repair work, including CHIP level repairs, motherboard maintenance, and micro-soldering.

# DIGITAL SKILLS

Soldering and de-soldering of electronic components. | Software Troubleshooting | Hardware

Repair | Reading Schematics | GIT version control, Linux Command | Programming | Microsoft

Office | Team-work oriented

# WORK EXPERIENCE

[ 01/01/2018 – 15/04/2023 ] **Computer and Laptop Technician**

***All In One (AIO-Sudan)***

**City:** Khartoum

## Country: Sudan

* Provided exceptional technical support, exceeding customer expectations and minimizing downtime for computer and laptop users.
* Skilled in performing hardware/software installations, upgrades, and repairs, applying advanced troubleshooting techniques.
* Diagnosed and resolved technical problems swiftly and efficiently, ensuring data integrity and system stability.
* Maintained meticulous repair records and inventory management using industry-standard software tools.
* Implemented robust security protocols to safeguard computer systems and sensitive data.
* Leveraged innovative thinking to develop and implement solutions for improved system efficiency, leading to increased productivity.
* Offered remote technical assistance to clients, effectively resolving issues and reducing the need for on-site visits.

[ 01/11/2012 – 31/12/2017 ] **Computer and Laptop Hardware and Software Repair Specialist**

***All In One (AIO-Sudan)***

**City:** Khartoum

## Country: Sudan

* Adept at diagnosing and resolving a wide range of hardware and software issues affecting computers and laptops.
* Skilled in performing repairs and replacements for critical components like screens, batteries, and internal hardware.
* Optimized system performance by installing updated software, operating systems, and firmware, specifically for Windows, Linux and macOS environments.
* Thoroughly tested repaired systems to ensure they meet strict quality standards and deliver optimal performance.
* Provided valuable advice to clients on proper computer maintenance and optimization strategies.
* Maintained accurate records of customer information and repair details using specialized software tools.
* Communicated repair options, costs, and timelines clearly and transparently to clients, fostering trust and confidence.
* Managed computer parts and tool inventory efficiently to support timely repairs and service delivery.

**EDUCATION AND TRAIN‐**

# ING

[ 17/07/2023 – Current ] **Full Stack Software Engineering**

***Alx Africa (Holberton School)*** [www.alxafrica.com](https://europa.eu/europass/eportfolio/screen/redirect-external?url=http://www.alxafrica.com)

**City:** Nation Centre, Nairobi

## Country: Kenya

* Proficiency in Git for version control
* Text editors (Vim, Vi, Emacs)
* Bash scripting for task automation
* Comprehensive knowledge of C programming including pointers, recursion, static libraries,memory management, preprocessor directives, variadic functions, bit manipulation, file I/O operations
* Implementation of data structures (singly, double linked lists, hash tables in C)
* Python OOP
* Project-based learning (creation of a custom printf function, shell/command interpreter andAirBnB Console)
* Effective use of Google search for problem-solving and research

[ 13/09/2020 – 22/09/2020 ] **Logistics & Supply Chain Management**

***Alroia Alsabaa for Management Training and Human Resources Development***

**City:** Khartoum

## Country: Sudan

[ 01/09/2007 – 14/03/2013 ] **B. Engineering and Technology of Industries**

***Sudan University of Science & Technology*** [www.sustech.edu](https://europa.eu/europass/eportfolio/screen/redirect-external?url=http://www.sustech.edu)

**Address:** Khartoum Nourth - Engaz Road, 407.Khartoum, Khartoum, Sudan

# LANGUAGE SKILLS

## Mother tongue(s): Arabic

**Other language(s):**

**English**

**LISTENING** B1 **READING** B2 **WRITING** B2

**SPOKEN PRODUCTION** B2 **SPOKEN INTERACTION** B1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

# PROJECTS

[ 04/10/2023 – 18/10/2023 ] **Simple Shell Commands Interpreter in C89**

* Implements a subset of sh functionality
* Supports most basic shell commands like ls, echo, cat etc.
* Handles semicolon separated commands
* Supports comments using #
* Includes custom implementations of several C standard library functions like strlen, strcmpetc.
* Reads and executes commands from files
* Handles Ctrl-C (SIGINT) and Ctrl-Z (SIGTSTP) signals
* Saves command history to a file
* Prints prompts and errors to stderr

**Link:** [https://github.com/Mohabdo21/Simple\_Shell](https://europa.eu/europass/eportfolio/screen/redirect-external?url=https://github.com/Mohabdo21/Simple_Shell)

[ 15/09/2023 – 19/09/2023 ] **A Custom printf function in C89**

Implementation of a printf function similar to the standard C printf function. It parses a format string and handles various format specifiers to print output.

**Link:** [https://github.com/Mohabdo21/printf](https://europa.eu/europass/eportfolio/screen/redirect-external?url=https://github.com/Mohabdo21/printf)