



Mohannad Abdulaziz Babeker

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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 TRAINING

[17/07/2023 – Current]

Full Stack Software Engineering

Alx Africa (Holberton School) 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 and AirBnB 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

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, strcmp etc.
- 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

[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>