

AHMED ABUZAID

Biomedical Equipment Technician | Healthcare Technology | CMMS

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PROFESSIONAL SUMMARY

Biomedical Equipment Technician with hospital experience in Egypt and Saudi Arabia, including over eight years supporting healthcare technology in Saudi hospitals. Experienced in equipment disassembly and reassembly, installation, calibration, preventive and corrective maintenance, troubleshooting, safety checks and post-maintenance functional testing. Provides equipment support across most hospital departments, including 11 selected clinical and support departments and units. Combines biomedical experience with Healthcare IT interests and AI-assisted software development using OpenAI Codex, Claude and Cursor.

CORE COMPETENCIES

Equipment Disassembly and Reassembly | Medical Equipment Installation | Calibration | Preventive and Corrective Maintenance | Troubleshooting | Functional Testing | Equipment Safety | Autoclaves and Central Sterilization | Dental Equipment | CMMS | Technical Documentation

PROFESSIONAL EXPERIENCE

Biomedical Equipment Technician | SRACO

Saudi Arabia | August 2018 - Present

- Disassemble and reassemble medical equipment for service, repairs and component replacement; install equipment and perform calibration, safety checks and functional testing before return to service.
- Perform preventive and corrective maintenance, diagnose equipment faults, document service activities and coordinate with clinical teams to support safe operation and equipment readiness.
- Maintain central sterilization equipment and autoclaves, dental units and chairs, compressors, patient monitors, ventilators, ECG equipment, anesthesia equipment and X-ray systems.
- Support CMMS workflows, maintenance records, fault follow-up and spare-parts requirements across hospital departments.

Selected departmental coverage - 11 departments and units:

Cardiac Surgery Operating Room (CSOR); Cardiac Surgery Intensive Care Unit (CSICU); Cardiac Catheterization Laboratory (CCL); Coronary Care Unit (CCU); Artificial Kidney Unit / Dialysis (AKU); Diabetes Center; Obesity Center; inpatient wards using local codes MCW and FCW (two units); Central Sterile Services Department (CSSD); Dental Clinics.

Hospital assignments: King Khalid Hospital, Najran; Salwa General Hospital; Central Dammam Hospital; Maternity and Children Hospital; Umluj Hospital; Dubaa Hospital; Ashwaq Hospital.

Biomedical Equipment Technician | Itay Albaroud Hospital

Egypt | 2014 - 2018

Worked in a hospital environment providing biomedical equipment support.

EDUCATION

Diploma in Health Technology - Biomedical Engineering

Egypt | 2011 - 2013. First year: Alexandria University (2011 - 2012); second year: Tanta University (2012 - 2013).

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Healthcare IT and AI-Assisted Software Project Development

SOFTWARE PROJECTS

MedCMMS | Medical Equipment Maintenance Management Platform

AI-assisted software development project focused on a multi-tenant computerized maintenance management system (CMMS) for medical equipment.

- Project scope: asset inventory, preventive maintenance, breakdown requests, work orders, spare parts, contracts, safety inspections, reporting and role-based access.
- Use practical hospital maintenance experience to inform requirements and maintenance workflows.

Technology areas: Next.js, Node.js, PostgreSQL, Docker.

JDEER HR | Human Resources Management Platform

AI-assisted software development project focused on HR workflows for organizations in Saudi Arabia.

- Project scope: employee records, attendance, leave, contracts, payroll-related workflows and administrative automation.

Technology areas: Next.js, Supabase/PostgreSQL, Docker and mobile application workflows.

Medical Asset Scanner | OCR-Based Mobile Application Project

Mobile application development project exploring OCR-assisted capture of medical equipment asset labels.

- Extract model numbers, serial numbers and asset identifiers to support asset documentation and inventory workflows.

Technology areas: Flutter, Dart and OCR-related tools.

TECHNICAL SKILLS

Healthcare and workflows: Healthcare IT, digital transformation, requirements analysis, technical documentation, CMMS and workflow automation.

AI-assisted development tools: OpenAI Codex, Claude and Cursor.

Web and data: Next.js, Node.js, PostgreSQL, Supabase and SaaS applications.

Deployment and infrastructure: Docker and Linux.

Mobile and asset capture: Flutter, Dart and OCR.

CERTIFICATIONS

Digital Product Management - Edraak | May 2021

Supply Chain and Logistics Management in E-Commerce - Edraak | April 2021

Fundamentals of Digital Marketing - Google | March 2021