

SIZAR AKOUM

Biomedical Engineer | Healthcare Technology and Patient Safety Expert

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KEY QUALIFICATIONS

- 20+ years of experience in strategic planning and implementing healthcare system reform projects with expertise in health systems strengthening and public and private sector healthcare.
 - Expertise in patient safety, quality improvement, and medical technology procurement.
 - Proven ability in coordinating technical assistance and international cooperation projects.
 - Specialist in process improvement and human resources development.
 - Certified Project/Program Monitoring and Evaluation Expert.
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PROFESSIONAL EXPERIENCE

Partnership for Supply Chain Management, Woerden, Netherlands

Senior Medical Devices Technical Consultant (March 2022 – Present)

- Developed a roadmap for complex medical equipment procurement to improve implementation and enhance supply chain efficiency and sustainability.
- Provided expert guidance on procurement strategies, technical specifications, and RFP processes for TB-related products and waste management equipment.
- Delivered technical training to client services specialists and assisted countries in optimizing their needs.
- Served as a medical device expert for product catalog maintenance.

World Health Organization / École Supérieure des Affaires, Beirut, Lebanon

Medical Devices Consultant (Sep 2021 – June 2022)

- Assisted Lebanon's Ministry of Public Health (MoPH) in automating the monitoring of subsidized medical devices.
- Drafted medical device pricing guidelines and reimbursement process.
- Reviewed and updated the medical devices regulatory framework per WHO and international standards.
- Led an AFD-funded project for evaluating Laboratory in vitro diagnostics in Lebanon.

Independent Consultant (Sep 2020 – Sep 2021)

- Advised CCHO SAL on market analysis and benchmarking of diagnostic procedures in Lebanon (WHO project).
- Assisted Conseil Santé in developing a maintenance system proposal for public health facilities in Nepal.

Ministry of Public Health (MoPH), Beirut, Lebanon

Biomedical Engineering Expert and Project Coordinator (April 2008 – August 2020)

- Developed Lebanon's national strategy for medical technology regulation and assessment (2014-2018) with WHO.
- Established policies and procedures for the importation and use of medical devices.
- Led the MoPH Medical Devices Registration Workgroup and contributed to IT solutions for evaluation and tracking implantable medical devices.
- Coordinated national projects for patient safety, blood transfusion, and HT assessment.
- Managed procurement of \$30M in medical equipment for public hospitals under Islamic Development Bank guidelines.
- Served as Environmental and Safeguards Officer for the World Bank-funded Lebanese Health Resilience Project.

Previous Positions (1994 – 2008)

- **Biomedical Engineering Expert, MoPH, Beirut (2004 – 2008)**
- **Consultant, Health Sector Rehabilitation Project, MoPH, Beirut (1997 – 2003)**
- **Biomedical Engineer, Hôtel Dieu de France Hospital, Beirut (1994 – 1997)**

SHORT-TERM MISSIONS

- **COVID-19 Response (2020)** – Led procurement of medical equipment for public hospitals (Association of Banks in Lebanon).
- **Hospital Feasibility Studies (2010)** – Conducted needs assessments for hospitals under Islamic Bank for Development (Abdelwahed Chehab Consulting).
- **Hospital Accreditation and Training (1999 – 2016)** – Developed and implemented training on health technology, patient safety, and accreditation standards.

EDUCATION

- **DESS in Biomedical Hospital Technologies**, Université de Technologie de Compiègne & ENSP-Rennes, France (1992-1993)
 - **Maitrise in Electronics, Electrotechnics & Automation**, Université de Caen, France (1991-1992)
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PROFESSIONAL DEVELOPMENT

- QUAMED GSDP and MQAS certification
 - Various WHO workshops on health technology, patient safety, and regulation (2006 – 2016)
 - Training on EU medical device regulatory framework, ANSM, France (2013)
 - ISO 9001 Lead Auditor Certification (2002 – 2005)
 - World Bank Health Sector Reform Courses (2000)
 - Multiple courses on procurement, environmental management, and health technology assessment.
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SKILLS and LANGUAGES

- **IT Skills:** Office 365, Google Drive
 - **Languages:** English and French (Fluent); Arabic (Native); Italian (Basic)
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MEMBERSHIPS

- Member of the Regulatory Affairs Professionals Society