

YAZEED KLOUB

Software & AI Systems Engineer

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🌐 ykloub.com

📍 Abu Dhabi, UAE

SUMMARY

Software engineer and technical leader with 15+ years of professional engineering experience, preceded by technical work and training from 2006. Career spans full-stack development, enterprise integrations, library technology, data/BI, infrastructure and self-directed AI engineering. Remains hands-on across requirements, architecture, development, integration, testing, deployment and maintenance while leading services, staff, budgets and vendors at DCT.

PROFESSIONAL EXPERIENCE

Digital Library Services Unit Head

Department of Culture and Tourism - Abu Dhabi

📅 12/2025 - Present 📍 Abu Dhabi, United Arab Emirates

- Lead 3 staff and 8+ vendors with an annual unit budget of approximately AED 3-4 million while continuing hands-on software architecture, development, integration and deployment.
- Support an enterprise library environment spanning 100+ integrations/interfaces, 11 registered libraries/locations, 140+ Medad staff users and approximately 70,000 registered members.
- Own technical planning, RFP/tender evaluation, systems governance and lifecycle delivery across library platforms, digitization, analytics, RFID and digital services.

Digital Library Senior Specialist

Department of Culture and Tourism - Abu Dhabi

📅 03/2023 - 12/2025 📍 Abu Dhabi, United Arab Emirates

- Extended Medad, EBSCO Stacks / Maktaba and related services through custom applications, APIs, JavaScript/CSS enhancements, forms, identity integrations and operational tooling.
- Administered OpenAthens and integrated digital-resource access with EDS and DCT SSO / Azure B2C while maintaining production support and technical governance.

Library Systems Senior Developer

Department of Culture and Tourism - Abu Dhabi

📅 12/2018 - 03/2023 📍 Abu Dhabi, United Arab Emirates

- **Project Lead** for the Symphony-to-Medad migration (02/2022-03/2023 go-live), moving approximately 400K bibliographic and 1.15M item/copy records and owning requirements, migration, integrations, testing and production readiness.
- Developed production software using C#/.NET, JavaScript/TypeScript, React, Python, SQL and APIs, alongside solution architecture and systems administration.
- Built DCT's first Power BI dashboard in 2019; served as overall IT lead for 8 book fairs during 2019-2022.

Medad Extension Engineering

Department of Culture and Tourism - Abu Dhabi

📅 2022 - Present 📍 Abu Dhabi, United Arab Emirates

- Personally analyzes, designs, develops, deploys and maintains approximately **nine Medad tools/add-ons**, including record/global update tools, collection moves, label printing, inventory, Power BI extraction, discovery/weeding tooling and the Medad Wrapper API.
- Built the **Medad Wrapper API** as a compatibility layer reproducing required Symphony API behavior so dependent platforms such as Stacks can retain integrations after migration.

PROFESSIONAL EXPERIENCE

Maktaba Portal & Identity Integration

Department of Culture and Tourism - Abu Dhabi

📅 2018 - Present 📍 Abu Dhabi, United Arab Emirates

- Extended EBSCO Stacks / Maktaba beyond standard configuration through custom JavaScript, CSS, UI/UX improvements and membership/account-upgrade forms.
- Integrated Medad services, EDS, DCT SSO and Azure B2C-related authentication; administered OpenAthens and maintained digital-resource access.

Power BI & Data Engineering

Department of Culture and Tourism - Abu Dhabi

📅 2019 - Present 📍 Abu Dhabi, United Arab Emirates

- Developed DCT's first Power BI dashboard in 2019 using Symphony data; later delivered complete Abu Dhabi Book Fair and Kalema / Book Management System dashboard solutions.
- Experience spans 10+ dashboards and analytics solutions, including reporting extraction and data integration supporting operational decision-making.

Book Fair Technology Leadership

Department of Culture and Tourism - Abu Dhabi

📅 2019 - 2022 📍 Abu Dhabi, United Arab Emirates

- Overall IT lead for 8 book fairs across Abu Dhabi International, Al Ain and Al Dhafra; managed support teams and digital vendors across planning, live operations and post-event work.
- Coordinated POS, mesh network deployment, ticketing, visitor scanners, integrations, troubleshooting and infrastructure readiness.

Independent AI Engineering & Research

Personal R&D - Separate from DCT Programs

📅 Current

- Builds AI-powered applications and conducts self-directed work in local LLM deployment, benchmarking, comparative evaluation and model selection.
- Experiments with model tuning including LoRA / QLoRA, vision-language models and AI-assisted software engineering; private project name intentionally excluded.

Senior Technical Integration Engineer

Naseej - Arabian Advanced Systems

📅 08/2014 - 12/2018 📍 Dubai, United Arab Emirates

- Final role after approximately two years as Technical Support Engineer; led 3 staff as Technical Support Owner with customer ownership across development, implementation, integration, maintenance and production support.
- Developed/integrated library portals, APIs, payment gateways and SSO services across .NET, SQL Server, Oracle, MySQL, IIS, Apache and Tomcat.
- For Dubai Public Library, developed mobile-app web services and integrated ePay/mPay, Emirates ID, MYID and smart-card self-check; also delivered integrations for NCSI Oman and Central Bank of Oman.

System Analyst / .NET Developer

Soft Compass Solution

📅 01/2013 - 02/2014 📍 Dubai, United Arab Emirates

- ASP.NET/VB.NET development, SQL Server, Crystal Reports, requirements analysis, testing and quality assurance.

Computer & Software Engineer

Almatin Forinter Abu Dhabi

📅 03/2011 - 01/2013 📍 Abu Dhabi, United Arab Emirates

- Engineered SCADA/SQL real-time monitoring plus redundant fiber, Windows Server and reporting infrastructure for Abu Dhabi Investment Council HQ.

Early Technical Work & Training

Excel Software Solution / Loa'ai Computer Center / Thamood

📅 2006 - 2010 📍 Jordan

.NET development training, ICDL/A+ instruction, computer/network maintenance, ASP.NET/VB.NET/SQL Server, systems analysis and QA.

EDUCATION

Bachelor's Degree in Software Engineering
Al-Balqa' Applied University
Graduated 06/2010 Jordan

LANGUAGES

Arabic Native English Proficient

SKILLS

Current Technical Skills

C# / .NET Python JavaScript / TypeScript React Next.js Swift / iOS SQL / DBA Power BI
Proxmox Linux Flutter Microsoft Azure

Historical & Additional

VB.NET ASP.NET PHP Perl jQuery Bootstrap Crystal Reports Oracle MySQL IIS
Apache Tomcat SCADA

STRENGTHS

System Architecture Enterprise Integration
Full-Lifecycle Delivery Independent Learning

INDUSTRY EXPERTISE

Full-Stack Engineering Library Systems APIs & Integration
AI / LLM Engineering Data & BI Infrastructure

REFERENCES

References available upon request