

ABDULRHMAN YAHAY ALMALKI

Director of Systems Development Center-RSLF-IT

📍 Riyadh ✉ almalki_86@outlook.com ☎ 0553334276

Professional Summary

I currently serve as the Director of the Systems Development Center, where I lead the execution and operational delivery of complex enterprise systems. With over 15 years of experience in technology leadership, I specialize in translating organizational needs into effective solutions, managing delivery pipelines, and ensuring systems are deployed efficiently and reliably.

I am passionate about applying Artificial Intelligence and Business Intelligence to streamline operations and support data-driven decision-making. My expertise spans systems architecture, technical infrastructure, and scalable software development.

Recognized for delivering high-impact projects on schedule, fostering innovation, and empowering teams to perform at their best, I am seeking executive leadership opportunities where I can continue to drive results through hands-on, execution-focused technology leadership.

Work Experience

2021 – present

Director of the System Development Center RSLF-IT

- Supervised all core departments within the Systems Development Center, including software development, E-services, database management, artificial intelligence (AI), and business intelligence (BI).
- Led the development and execution of the center's operational plan in alignment with strategic objectives, in collaboration with department heads.
- Defined and tracked operational and performance goals using key performance indicators (KPIs) to ensure quality and efficiency.
- Motivated staff and cultivated a positive work environment focused on growth, recognition, and collaboration.
- Resolved internal conflicts and fostered a culture of transparency and teamwork.
- Established AI and BI units and strategically integrated them with the database department to support data-driven decision-making.
- Opened internal communication channels to collect employee suggestions and innovation initiatives, encouraging a bottom-up culture of continuous improvement.
- Provided direct oversight of critical enterprise system development, offering technical input, solution design, and architecture optimization.
- Applied industry best practices to improve scalability, integration, and system performance throughout development phases.
- Implemented **security policies and standards** in coordination with relevant departments to ensure protection of systems and data against cybersecurity threats.
- Enforced **data quality policies and data governance standards** to ensure data accuracy, consistency, and compliance with local standard like NDMO

2019 – 2021

Head of Systems & Software Programs RSLF-IT

- Analyzed business and user requirements and translated them into clear, actionable system specifications.
- Oversaw the entire software development lifecycle (SDLC), including requirements gathering, system design, development, testing, deployment, and ongoing maintenance.
- Designed and delivered custom software solutions aligned with enterprise goals and integrated with institutional systems.
- Implemented and activated the **DevOps platform**, introducing CI/CD pipelines to automate deployments and reduce release cycles.
- Developed and institutionalized **Agile methodology** to enhance flexibility, speed, and product quality.
- Acted as a **Scrum Master**, facilitating daily stand-ups, sprint planning, retrospectives, and removing blockers to support team efficiency.
- Coordinated cross-functional teams to ensure timely delivery of complex projects within scope and budget.
- Supervised software QA processes, including functional testing, automated regression testing, and integration testing.
- Created technical documentation and provided training on Agile and DevOps best practices to development teams.

2013 – 2015

Manger of Database Department

RSLF-IT

- Led and managed the database department, ensuring 24/7 availability, security, and optimal performance of enterprise databases.
- Supervised a team of DBAs and developers, providing mentorship, task delegation, and performance evaluation to align with IT targets.
- Designed and implemented efficient database schemas, stored procedures, and indexing strategies to support scalable applications.
- Automated maintenance tasks using SQL jobs and scripting, improving operational efficiency and reducing downtime.
- Developed data models and business intelligence reports to support executive decision-making using Power BI and SQL Server Reporting Services (SSRS).
- Built and maintained robust ETL processes for integrating data from multiple sources into a centralized data warehouse.

2009 – 2013

Software Developers

RSLF-IT

- Developed and maintained enterprise-level web and desktop applications using technologies such as C#, .NET, and SQL Server.
- Participated in the full software development lifecycle (SDLC) from requirement gathering to deployment and maintenance.
- Designed and implemented reusable code libraries to streamline development and reduce maintenance time.
- Collaborated with cross-functional teams (designers, analysts, QA engineers) to deliver scalable and maintainable software solutions.

Education

2016 – 2018

Adelaide, Australia

Master of Software Engineering

university of Adelaide

2008

Makkah, Saudi

Computer science

Umm AlQura university

Projects and Initiatives

2025

1-Project Leader of Officer Performance Reporting System

- Managed a team of developers to build a highly sensitive and secure system for automating officer performance reports.
- Structured reporting workflows according to military unit hierarchies.
- Integrated data with the central command application for unified reporting and decision-making.
- Applied advanced **security standards** to protect classified performance information.
- Laid out a future roadmap to incorporate **AI-driven predictive analytics** for early detection of performance trends and leadership potential.

2025

2-Initiated the establishment of specialized teams for Artificial Intelligence (AI) and Business Intelligence (BI) within the Systems Development Center, aiming to support digital transformation and enhance data-driven decision-making capabilities.

2020 – 2021

3-Took the initiative to lead the process improvement of the Systems Development Center based on the CMMI framework, which resulted in achieving CMMI Level 3 certification. This was accomplished through process documentation, workflow standardization, and the application of continuous improvement practices aligned with global software development standards.

- Led the organizational transformation initiative to attain CMMI Level 3 certification.
- Documented and unified over 30 operational processes across technical teams.
- Established monitoring mechanisms to ensure adherence and continuous improvement.
- Cultivated a culture of quality and engineering discipline within the center.
- Improved project performance metrics and reduced deviation rates.

2019 – 2020

4-Projects leader of E-Learning System for RSLF

- Led the development of an integrated e-learning platform for military training institutes.
- Unified academic and administrative procedures across all institutes.
- Ensured compliance with military education policies and regulations.
- Linked the platform to the Land Forces' central database systems.
- Integrated with the automated training and nomination system.
- Implemented critical features such as remote (distance) learning.
- Delivered a secure, scalable, and policy-compliant solution tailored for military use.

2015 – 2016

5-Legacy Data Migration from Mainframe to Microsoft SQL Platform

- Led a specialized team in the successful migration of legacy data systems from **Mainframe architecture** to modern **Microsoft database technologies**.

- Planned and executed the end-to-end data migration strategy, ensuring data integrity, minimal downtime, and seamless system integration.
- Coordinated with application and infrastructure teams to redesign database schemas and optimize system compatibility with Microsoft SQL Server.
- Oversaw data validation, transformation, and testing processes to guarantee accuracy and performance post-migration.
- Improved system performance and maintainability by transitioning from monolithic legacy structures to scalable, relational databases.
- Ensured compliance with security, audit, and business continuity standards throughout the migration lifecycle.

Additional Works

2022 – 2025

Strategic Contribution – IT Spending Efficiency

- Assigned as a core member of a task force established by the Land Forces Command to assess and demonstrate **IT spending efficiency**.
- Contributed to the review and approval of systems and programs developed internally at the **Systems Development Center**, ensuring alignment with digital transformation objectives and cost-effectiveness.
- Successfully supported the endorsement of projects and services with a **total approved budget exceeding SAR 150 million**, covering more than **70 systems and digital solutions** developed or managed under my supervision.

Certificates

Professional Scrum Master™ I (PSM I) 

Certified CMMI Associate — level 3

Project Management Professional

PMI Risk Management Professional (PMI-RMP)®

TOGAF 9 Certified

TOGAF 9 Standard Certified

Courses

- M10175-Administering Microsoft SQL server 2012 Database
- M101776AC –Developing Microsoft SQL server 2012 Database
- M20465B –Designing Database Solution For Microsoft SQL server 2012
- Microsoft Visual Studio 2010 Team System and SCRUM
- MS-2310: Web Applications Using Visual Studio 200
- M6236 – Implementing & Maintaining Microsoft SQL Server 2008 Reporting Services
- M6235 – Implementing & Maintaining Microsoft SQL Server 2008 Integration Services
- M6234 – Implementing & Maintaining Microsoft SQL Server 2008 Analysis Services
- Project Management Professional IT- full track
- Establish & Operate Project Management Office (PMO)
- Introduction to Artificial Intelligence offered by KAUST Academy

Languages

- ENGLISH LANGUAGE -Speaking and Writing