

# ABDUL HALIM JOHAR

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## SUMMARY

Strategic IT professional with twenty-two years of experience in multi-disciplines industries such as Financial Services, Media, Oil & Gas, Telecommunications, Public Transportation and Energy Transportation. Combines deep industry knowledge with experience guiding the management of ICT service deliveries. Areas of responsibilities include the development of innovative IT solutions that drive digital transformation, infrastructure management, enterprise application delivery, and project management.

## SKILLS & EXPERTISE

Strategic IT Planning • IT Management • IT Service Management • ITIL • Balanced Scorecard • Business Model Canvas • IT Security Global IT Operations • Change Management • Business Process • Project Management • Infrastructure Management • Digital Transformation • System Integration • Stakeholder Engagement • Talent Management • Business Process Re-engineering • IT Budgeting • Digital Marketing

## EXPERIENCE

MISC Marine / MISC BERHAD | Kuala Lumpur, MY

Head, Information Technology & System

2021 – Present

As Head for Information Technology & System, I am responsible for the ICT delivery for Eaglestar Marine Holdings. Eaglestar is the Shipmanagement subsidiary of MISC, which has been tasked to manage the global LNG and Petroleum vessels of MISC. Some of the role responsibilities:

1. Lead a regional team to oversee the IT infrastructure and applications for MISC's LNG and Petroleum vessels that are trading globally.
2. Leading the development of innovative digital products to enhance our service offerings. Some of the notable solutions:
  - Smartport – a digital solution to manage Petronas' ports in Kemaman, Sungai Udang, Kerteh and Miri.
  - Digital Twin - The development of the digital twin for the Offshore Business Unit (OBU) FSO and FPSO allows the next generation visualization of the engineering asset via Mixed-Reality technology such as augmented reality and virtual reality.
  - Smartglass for Fleet Operation – th deployment of Smartglass that allows some of the Fleet operations being done remotely.
  - Digitalization for Petronas LNG chartered vessels – The deployment of high frequency IoT sensors to monitor the ship performance remotely.
  - Starlink deployment for vessels communication – Allowing high speed broadband to on board crew, improving the mental well-being of the crew.
  - Vetting Assurance Digitalization – a digital solutions that helped ship inspectors to reduce their vetting exercise by providing all the required information on a tablet, therefore vetting exercise can be completed in a shorter time.

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3. Ensured cybersecurity readiness was maintained throughout the vessel and the broader IT infrastructure, safeguarding critical operations and data. Among the improvement deployed were KeepUp@Sea deployment, an automated IT asset lifecycle management for vessels and Unified Threat Management (UTM) cybersecurity solutions for vessels.
4. Lead the development and implementation of the Enterprise Data Hub (EDH) initiative to transform MISC into a data-driven organization. EDH serves as the foundation for the group data to be consolidated within a single repository, moving toward a seamless environment where data is central to the decision making.
5. Devise ICT strategy to be adopted across the MISC Marine company.
6. ICT Workstream Lead for the integration between Eaglestar Marine Holding and MMS that subsequently merged into an entity called MISC Marine.

**PRASARANA (MALAYSIA) BERHAD | Kuala Lumpur, MY**  
**Head, Technology & Innovation, Digital & Technology**  
**2016 – 2021**

As Head of Technology & Innovation, I was responsible to deliver ICT services within the group. Some of the functions within the department are Infrastructure and Desktop Support, Enterprise Application Support, ICT Service Delivery, Asset Lifecycle Management and Programme Management. Some of my most notable accomplishments include:

- MMMSL Mecca Metro Crowd Control System
- MRT SBK Line ITS and EAC Package Support. Rather than outsource the whole support to external parties, Level 1 and Level 2 support is being conducted internally.
- LRT Line Extension Program Infrastructure deployment within the agreed project budget and time.
- ICT is recognized as an active contributor and critical drivers to technology and digital transformation. We have been instrumental in supporting the business effectively and efficiently.
- Successful implementation of integrated software upgrade and data migration for GST abolishment and SST-implementation for company-wide Enterprise Resource Planning (ERP) system that covers Financial, Supply Chain and Human Resource function.
- Successful implementation of Retail Management system using SAP SD modules for one of the company subsidiaries.
- Internal IT OPEX/CAPEX savings through value re-engineering exercise on IT management and revamp with the use of open-source technology.

Some of my duties are as follow:

- Execution and management of the group's overall ICT directions, strategies, and operation guidelines in line with the companies' goals and objectives.
- To manage the group's overall IT infrastructure, operation and maintenance of the communication, network, computer system, applications, and security. This is inclusive of ICT service delivery for the support of Rail and Bus operations.
- Responsible for driving improvements to business and operational processes using Information and Communication Technology.
- Performing stakeholder engagement with relevant parties to ensure that the Company's IT infrastructure systems are managed and maintained adequately.
- To maintain ICT asset within the group.
- Develop and work closely with technology partners and vendors for sustainable IT maintenance and support to comply with Business Continuity Management Framework
- Develop knowledge base and documentation for business and operations, SOPs and other critical business information via Record Information Management System (RIMS).
- Ensure information access and usages are compliant with the IT Policies and Procedures across the organization via Information Security systems and process.
- Representing the division to report to the Audit and Risk Management Committee, Audit and Compliance Committee, RapidRail and RapidBus Management Committee.
- Prepare and ensure IT expenses (OPEX/CAPEX) is well within the allocated budget and well-aligned to business requirement and objectives.

**UTUSAN MELAYU (M) BERHAD | Kuala Lumpur, MY**

**Head of IT**

2009 – 2015

Led a team of 35 personnel in providing IT infrastructure support for desktops, networks, datacenter, and application to more than 1500 users nationwide. Reporting directly to the Group Executive Director, my responsibility is to ensure continuous access to all these infrastructures that support the company operation. Some of my duties are as follow:

- Define and establish strategic decision in new technology and digital investments including systems and infrastructures to further enhance group operations and profitability.
- Ensure continuous access to critical infrastructure including servers and network for all year round 24x7 operations.
- Manage and resolve all IT related issues faced by end-users including hardware, software, and applications swiftly.
- Oversee the development team in executing new software development and application support.
- Manage and control the procurement of hardware while implementing proper management of IT assets lifecycle following company policies.
- Manage the annual OPEX and CAPEX budget for IT services.

Some of the critical projects & programs undertaken under my role:

- Relocation project of the network, data centre and users to Utusan new corporate headquarters.
- WAN migration from Metro-E to an IPVPN-based network for all main offices nationwide.
- IPVPN network connectivity for all branch offices.
- Internet connectivity via DOME (Direct Over Metro-E).
- Transforming a core system that comprises of network and application of the Editorial and Marketing department. These transformations have allowed the company to serve its products via various platform, be it physical or in digital format.
- Transforming the core system for advertising and resource centre department. These transformations have allowed the company to better manage its digital assets as well as monetizing its digital assets.
- Development of a new Intranet website in supporting the dissemination of information within the company.
- Manage the group office automation & infrastructure upgrade for Advertising, Marketing and Editorial with total project valued at RM4.2 million.

**AT&T COMMUNICATION SDN BHD | Cyberjaya, MY**

**Development Engineer - Firewall**

2009 – 2009

This position was an outsource function from Shell IT International to AT&T Communication Sdn Bhd

**SHELL IT INTERNATIONAL SDN BHD | Cyberjaya, MY**

**Development Engineer - Firewall**

2006 – 2009

Reporting to the development manager who oversees the secure access team. Responsible for the development of endpoint security solution for global Shell desktop deployment for Windows 2000 and Vista. Due to changes to the organization, I was later tasked to develop gateway security solution for Shell worldwide. The solution is based on Checkpoint firewall and runs on HP Server.

**UTUSAN MELAYU (M) BHD | Kuala Lumpur, MY**

**Assistant Manager, IT**

2002 – 2006

- Establishing a new data centre for Utusan Melayu (M) Bhd
- Design and implement of the new firewall.
- Design and implement HP SAN for HR, Marketing, Baan, and SAP system.
- Involved in the implementation of the new Advertising Management System.
- MSSQL and new Editorial System for Utusan Melayu (M) Bhd.

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ASIA ONLINE UTUSAN (M) SDN BHD | Kuala Lumpur, MY

**Web Developer**

2000 – 2002

Custom development of software that is based on Open-Source Software

ARAB MALAYSIAN MERCHANT BANK | Kuala Lumpur, MY

**Technical Officer, Open System**

1998 – 2000

Maintenance of Sun Solaris servers which were the backbone of Arab Malaysian Merchant Bank Treasury dealing department. Work scopes include installation of Sun Solaris software, Sybase RDBMS software and proprietary financial software. Setup and configuration of the software are done based on the procedure set up by the bank. Daily maintenance includes on-site and off-site backup, personal support for end-user and migration to new servers.

## EDUCATION

AZMAN HASHIM INTERNATIONAL BUSINESS SCHOOL, UTM | KUALA LUMPUR, MY

2015-2023

**DOCTORATE IN BUSINESS ADMINISTRATION**

**Research Area – The Transformation of Organization into a Data-Driven Organization: A case study of Public Transportation Company in Malaysia**

AZMAN HASHIM INTERNATIONAL BUSINESS SCHOOL, UTM | KUALA LUMPUR, MY

2012-2014

**MASTER'S IN BUSINESS ADMINISTRATION (STRATEGIC MANAGEMENT)**

LAKEHEAD UNIVERSITY, THUNDER BAY | ONTARIO, CANADA

1996-1998

**BACHELOR OF SCIENCE (COMPUTER SCIENCE)**

LAKEHEAD UNIVERSITY, THUNDER BAY | ONTARIO, CANADA

1994-1996

**DIPLOMA IN ENGINEERING TECHNOLOGY (ELECTRICAL)**

SIR SANDFORD FLEMING SECONDARY SCHOOL, NORTH YORK | ONTARIO, CANADA

1992-1993

**ONTARIO SECONDARY SCHOOL DIPLOMA**

SEKOLAH SAINS TUANKU JAAFAR, KUALA PILAH | NEGERI SEMBILAN, MALAYSIA

1986-1991

**SIJIL RENDAH PELAJARAN, SIJIL PELAJARAN MALAYSIA**

## VOLUNTEER WORK

INTI INTERNATIONAL UNIVERSITY & COLLEGE | Kuala Lumpur, MY

### Industry Adjunct

2018 – Present

Mentoring final year students on Design Thinking projects related to Smart City and Transportation.

MALAYSIA-JAPAN International Institute of Technology - UTM | Kuala Lumpur, MY

### Program Advisor

2019 – Present

Industry advisor for the Master of Technology and Innovation Management

SeGI UNIVERSITY | Kuala Lumpur, MY

### Industry Advisory Panel

2020 – Present

Industry advisor for the Bachelor of Information Technology Programme

## REFERENCE

### Datuk Mohd Nasir Ali

0195528303

Former Group Executive Director, Utusan Melayu (M) Bhd

### Dr Ahmad Hairi Abu Bakar

0193572545

Former Dean of Faculty of Engineering, UiTM