



Marwan Ali

Sr. RF Engineer

To obtain a full-time role as an Automation and Data Science Engineer, contributing 12 years of experience, research ability, and creativity in a self-motivated environment.

Experience

PROGRAMMING



● NOV 2021– CURRENT

ERICSSON (MALAYSIA) SDN.BHD

Network Engineer

Team Lead Ericsson responsible of performance tools and automation In DNB Project. Foreseeing overall tools and AI , bots and automation which are used in NPO such as NetAn, DOP, ITK, ENM, xTRACE, NEMO 5GRA... etc

Aside to that, automate the performance data from various entities to enable team members to get insights of network's performance for their daily activities and deliverables. Generate the reports for closure as well as management.

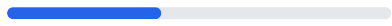
- Automation from NetAn platform.
- Automate and design of NDO portal.
- Design server architecture and layout for NDO.
- Design workflow for tools for delivery in performance.
- Babysitting KPIs for various network activities.
- Creating custom templates and automation.
- DOP APIs automation and scheduling.
- Creating dashboards for visualization and reporting and insights.

LANGUAGES PROFICIENCY

Arabic 90%



Bahasa Melayu 40%



English 75%



CONTACT

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OCT 2021– NOV 2021

CADS "Center of Applied Data Science"

Training Team Lead

CADS "Center of Applied Data Science" is one of its kind institutions in Malaysia. The main objective of this institution is to provide the market of literate data science engineers. I was honored to be given the opportunity to join them as trainers team lead.

Beside that I was training and conducting classes for various gov. organization, banks and private sector for below tools:

- Training on Tableau and extracting insights.
- Training of designing reports and storytelling.
- Introduction to Machine Learning.
- EDA course "Exploratory Data Analysis".
- Data Wrangling in Python.
- Introduction to PowerBI and design dashboards.

MAY 2021– SEPT 2021

Elabram Systems SDN.BHD

Sr. RF Engineer

Huawei-Maxis VIP

- VIP and VVIP complaint L2 Engineer.
- NPM Engineer
- RF Optimization Engineer

JUN 2019–MAY 2021

Privatel SDN.BHD

Sr. RF Engineer

Huawei-Maxis Project

- New Trials and Features

Main PIC in new trials and features that are proposed to Maxis to enhance user experiences, such as adaptive CA, Enhanced Frequency Selection Scheduling and uplink carrier aggregation.

- SRAN Upgrade

Involved in software upgrade and testing for SRAN15.1 and 16.1. Performing field test case and stats monitoring.

- POC Trials

Prove of concept of Dynamic Spectrum Sharing of LTE and 5G. Assisted on the trial of LTE and 5G DSS for L18. The trial was successfully proved as the first DSS in Malaysia.

- 5G testing

-Sran16.1 upgrade to LTE sites to enable for 5G implementation

Field test of 5G to verify the service and benchmark.

-LNR DSS between LTE and 5G. We successfully implemented Dynamic Spectrum Sharing between LTE and 5G for 20 sites in KV region.

-5G MOCN test for Maxis and Celcom

-Designed VBA Macro that processes raw data and output the results in graphical charts. The Macro is used to monitor the performance.

- Massive MIMO

Main PIC and team lead for Dualband Massive MIMO. which is the latest technology solution for the increasing traffic hence the gain. Related features such as Intelligent Beam Shaping, Smart Beam Scheduling implemented and optimized.

- QoS management testing

In this test I successfully prioritize QoS for QCI 7 scheduling priority for enterprise users.

● **JUN 2018–MAY 2019**

KELLY Service SDN.BHD

Sr. RF Engineer

Huawei-TM Webe Project rollout

- L2 Senior RF engineer. Attended VIP complained, finding the root cause and resolve it within SLA.
- Support pre-sales team, integration, and rollout
Designed Macro which processed thousands of records and provide estimation on the growth of the network's traffic. Based on this information, Management deciding where to invest such as expanding Coverage areas, adding Capacity layers.
- NPM (Network Performance Monitoring)
Assisted on network performance, extracted worse performed cells, find the root cause of poor performance and optimize these cells.
- Delivery and acceptance for SSV, SSO, PAC and FAC
Biggest role was being part of delivery team. Involved in Single Site Verification, Single Site optimization, Cluster Pre acceptance and Cluster Final Acceptance.

● **NOV 2015–JUN 2018**

Paracel SDN.BHD

RF Engineer

Huawei - Webe LTE Project

- Consistency Check preparation, analysis, and execution.
Parameter's consistency check is an important task to maintain parameters of the network and check their consistency with optimized value.

- MSPM OSS monitoring daily, weekly, and monthly network performance.
Excel and VBA Macros created to automate and produce graphs to monitor the network performance. The designed Macros used by vendor and customer.
- Planning and TSS verification
Supported Planning team for Site acquisition and RF Planning such as antenna direction, blockage, and prediction plots.

● **SEP 2015–NOV 2015**

Elabram Systems SDN.BHD

RF Engineer

Huawei–Celcom PLO Project

- Daily Optimization Activities.
As cluster owner in northern region, sites optimization and cluster optimization, new sites on air in daily basis.
- Worse cell KPI and KQI optimization. Achieved KPIs and KQIs milestones for Celcom territories in Northern Region
- Designed Excel dashboard for KPIs and KQI that helped to visualize the trend which showed the gain in user experience.
- Consistency Check preparation, analysis, and execution.
Regularly check the parameters for my cluster and standardize the inconsistent parameters.
- OSS monitoring.
Daily monitoring for northern region.

● FEB 2015–MAY 2015

OCK SDN.BHD

RF Engineer

ZTE-Umobile Malaysia

- Monitoring Performance for swapped sites.
- Identify the worst cell and take necessary actions.
- Manage the team for swap activities.
- Analysis of log files for abnormal post-drive behavior
- Ensure the quality of the reports.
- Preparing issues tracker and tackle issue after antenna swap or board upgrade.
- Preparing Pre-Swap OSS KPI
- Preparing drive route, polygons per-site basis.
- Analysis of traffic shift if any (after antenna swap).
- Managing the team, DTA's DTE's and OSS engineers.
- Delivering quality reports with justifications "If any" in a timely manner.

● FEB 2014–FEB 2015

UCE SDN.BHD

RF Engineer

Huawei- Maxis GABS Project

- 3G Performance and Optimization, Drive test arrangement.
- New Sites scripting, carrier script as well as bi-sec scripts.
- New site rollout
- KV Upgrade W900(F4) rollout.
- Re-engineering rollout.
- Swap KV2G cluster-3G daily monitoring and performance.
- Worst cell to support GABS NOC and NPM team.
- Dockets and customer complaints

- Support trial team.
- Monitoring Daily Activities & Performing Worst Cell Analysis.
- Review Drive test reports, performing Opti for Pilot pollution Removal Activities.
- Site Audit and physical Optimization.
- Congestion Analysis.
- Generate RF engineering related reports in Excel, Access, SQL as required.
- Parameter Consistency check.
- New feature Trials and Achievements.
- Assume the RF lead role, manage and co-ordinate activities of the RF team as required.
- Conducting of Weekly Meetings in Collaboration with Customer & vendor.
- KPI Analysis report (Capacity/ Coverage).
- Network tuning based on new tools introduced ACP (Automated Cell Planning)

● **FEB 2010–FEB 2014**

UCE SDN.BHD

RF Engineer

Huawei- Maxis GABS Project

- Drive- Test Engineer
- 2G/3G SSV analysis and reports
- 2G/3G SSO analysis and reports
- 2G/3G Cluster analysis and report
- Swap 2G DIGI project
- 2G bench marking.
- 3G swap Celcom
- 2G/3G PAC and FAC.
- Working as DTA engineer on maxis gabs project and KV Team Lead

 Education

FEB 2005–OCT 2010

Multimedia University

Bachelor's degree in Information Technology

Majoring in Data communication and Networking.