ISHURANGA
UDARA WIJESINGHE

B.Sc. Engineering (Hons) in Electrical & Information, A.Eng(ECSL), AMIE(SL)

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Thawaluvila, Ambalantota.

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SUMMERY

A Professional multi-skilled Radiofrequency (RF) Engineer, possessing over 6+ years of experience looking to join an organization that rewords effort and initiative whilst at the same time providing plenty of progression and development opportunities to its employees. A quick learner, able to assess a need and execute tasks in a timely and efficient manner. A motivated and ambitious professional, dedicated providing highest level of technical support as well as customer satisfaction.

EDUCATION

B.Sc. Engineering (Hons) in Electrical & Information
Faculty of Engineering, University of Ruhuna.
Second Class Honors Lower Division with OGPA 3.13

National Certificate in English for
Commerce Industry & Further Education
Technical College, Weeravila.

G.C.E. Advanced Level 2010
Theraputta National School, Ambalantota.
Two 'A' passes and One 'B' pass.

G.C.E. Ordinary Level 2006
Theraputta National School, Ambalantota.
Nine 'A' passes and One 'B' pass.

PROFESSIONAL EXPERIENCES

RF Planning Engineer – Airtel MS Project *(Dce 2022 – Present)*
Huawei Outsourced from Quess Corp. Lanka
1) Capture New Site requirement based on Capacity and Coverage requirements analyzing 2G/4G Capacity requirements and Cx complaints.
2) Provide BSS configuration data for new site expansion in FDD L850/L2100/TDD L2600/GSM and DCS.
3) Audit overall Network KPIs and provide improvements for required KPIs with HQ support. (Neighbor/TAC/LAC audits using MapInfo/QGiS)
4) Provide Prediction for SSV reports and other TRCSL site verifications.
5) Collect and compile network level Engineering Parameter monthly and design KMLs/ Coverage predictions based on network changes.
6) Design RF Antenna plans for New Site expansions and New Layer addition on existing sites.

RF Engineer – Airtel MS Project *(Feb 2022 – Feb 2022)*
Huawei Outsourced from Quess Corp. Lanka
7) VIP and Customer complaint analysis with regional teams and provide solutions for the network related issues.
8) Preparing monthly TSG SR/ TRCSL Cluster reports and other customer complaint related reports (Sales/ZBM)
9) ZBM Engineer for Airtel most critical Eastern region and provide immediate solutions for the Zonal Manager's issues.
10) Perform drive test for TRCSL reports and improve the user experience.
11) Collect and update New Site requirement and 4th Cell requirement from Cluster Optimization/Customer complaints and ZBM complaints.

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RF Engineer – Airtel Project *(Dec 2021 – Feb 2022)*
Huawei Outsourced from Quess Corp. Lanka
- New site SSV verification and submitting to the customer.
- Analysis and re-drive for the rejected SSVs coordinating the sub-contractor teams achieving the customer target.
- Analysis Pre-Drive test logs and providing optimization suggestions for the teams.
- Mini-Cluster Optimization for L850 and L2100 layers

Engineer – Regional Planning and Optimization *(Dec 2018 – May 2020)*
Dialog Regional Office, No.59, Y.M.C.A Housing Scheme, Buddangala Rd, Ampara, Sri Lanka.
- Daily GSM, DCS, 3G, 4G-FDD & 4G-TDD network QoS Monitoring & Troubleshooting within the region to identify network problems and make recommendations to improve network quality.
- Planning/Implementing coverage, capacity, and optimization plan for the region.
- Achieve the set target for the main KPIs of the cluster by optimizing the existing sites.
- Responsible for Confirmation of site locations after JFS (Joint Feasible Study) and submit technical site survey reports accordingly.
- Assist in Feature trials.
- Plan BSS radio parameters the new site expansions.
- Carry out on-site optimizations and regional optimization with service enhancement.
- Preparation of regional seasonal capacity plan to make sure the provision of adequate service level to customers.
- Responsible for Revised capacity plan as and when required to manage the performance, upgrades, and delivery of service.
- Perform Drive Test to analyze site verifications and performances.
- Responsible for timely implementation of solutions (WiFi and IBS) within the region.
- Visit customer premises and collect field data to provide accurate solutions.

Engineer – Network Operation & Implementation *(July 2016 – Dec 2018)*
Lanka Bell Ltd. No.344, Colombo 3, Sri Lanka.
- Ensure reliability of the transmission backbone, resolve operational problems, minimize down time, and keep availability of SLAs/ KPIs.
- Daily monitoring alarms with NOC and taking remedial action to rectify the faults (LTE /CDMA /WiMax) and follow-up with technical teams.
- E1/ SDH/ PDH/ Ethernet Capacity Planning, Sagem MUX Operations & Maintenance
- Analyze & upgrade bandwidth trends on backbone & eNodeBs
- Responsible for NMS IP assign allocations & implementations
- Execute configurations on Ceragon, Sagem, Siae, SAF microwave links & Huawei iManager U2000.
- Liaise with vendors to find out and bring best practices of operations and maintenance of transmission network operations and maintenance and Vendor management for critical network breakdowns and quality issues.
- Preparing RFP and technical evaluation of goods and service purchasing.

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PROFILE

1)	Name with Initials	: I.U. Wijesinghe
2)	Full Name	: Ishuranga Udara Wijesinghe
3)	Address	: 13/1, "Walawwa", Thawaluvila, Ambalantota
4)	Birthday	: 03 April 1990
5)	Gender	: Male
6)	Civil Status	: Married
7)	NIC No.	: 900942265V
8)	Passport No.	: N3009377
9)	Nationality	: Sri Lankan
10)	Languages	: Sinhala, English
11)	Driving License	: Available (A1, A, B1, B)
12)	Covid Vaccination Statutes	: Vaccinated (3 doses)

MEMBERSHIPS

- Associate Engineer of Engineering Council, Sri Lanka (205985)
- Associate Member of Institute of Engineers, Sri Lanka (AM-19380)
- Member of **Smedly** Toastmasters' Club

TECHNICAL AWARENESS

- Successfully Completed **Huawei Trainings** on
  - ✓ Discovery / mAOS Client Operation & Maintenance Training
  - ✓ Huawei VoLTE (LTE team)
  - ✓ iManager U2020 / U2000 Client Operation & Maintenance Training
  - ✓ LTE eRAN8.0 Lampsite Operation & Maintenance
  - ✓ LTE Radio Network Optimize
  - ✓ DNS9816 Operation & Maintenance
  - ✓ UPCC Routine Operation & Maintenance Training
- Successfully Complete RF Planning related trainings on
  - ✓ **InfoVista Plannet –** RF Planning Course
  - ✓ **Tems Investigation/ Discovery Drive Test performance and Analysis Cours**

- Successfully Completed **Cisco Certified Network Associate (Routing and Switching)** knowledge on working and configuration cisco, juniper devices at Verbnets Academy.

- Successfully Completed
  - ✓ **Project Management with PRIMAVERA P6** (CPD at IESL)
  - ✓ **Business Analytics via Data Science Principles** (CPD at IESL)

- **Working Knowledge on following tools,**
  UNET / **FMA** tool / Huawei **Probe Assistant** / Huawei **Probe Analyzer** / **iBwave** (WiFi and IBS Coverage Prediction) / **QGIS** / **MapInfo** / **Nemo** Analyzer & Outdoor/ **Tems**/ Packet Tracer / GNS3, UNL and eNSP/ Wireshark / Ubiquiti Edge Routers, Unifi Tough Switches /Mikrotic Router OS

- **Computer Literacy**
  Excellent working knowledge of Microsoft Office Word. Excel, PowerPoint, and Visio / Photoshop / Illustrator

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PROJECTS

- **Airtel Mini Cluster Project** L850 and L2100
- **Indoor Coverage Enhancement Project** at Dialog (Ampara/Batticaloa/Trincomalee)
- **Eastern Railway Line Coverage Enhancement Project** (Lamp Pole Project)
- Successfully completed **Indoor Base Station (IBS) projects** at Holcim Factory Trincomalee and Amaya Beach Hotels.
- Worked on RFP 300+ new 4G TDD sites planning at LankaBell tower expansion second Phase.
- **Undergraduate Projects**

Real Time Vehicle Tracking and Traffic Data Analyzing System (Final Year Undergraduate Project) - A *Local Position System that monitors the public transportation vehicles and update a real time database. Users can get details of their desired vehicle by using their mobile device. In addition, it suggests the time that user should go to his nearest station according to algorithm.*

Voice Navigation Wearable for Blinds - *Wearable for blind people to walk without the stick. It is a band to wear on head and at knee; it senses the obstacle and gives complete navigation instructions using android mobile application.*

KIT Music Player - *An intelligent Music Player that selects the user's preferred song list according to an algorithm. It has database tempo of the song, playtime, and amount of frequency. By analyzing them, it will suggest a playlist to the user.*

Sound Localization Robot Head - *A Robot head, which can find the direction of sound, rotate its head towards that noise, and travel towards the noise.*

REFERENCES

References can be provided upon request.