

Ahad Shafiq

Citizenship: Canadian | **E-Mail:** ahad.shafiq@gmail.com | **Web:** about.me/ahadshafiq

Summary

- Experience working with NSN, Motorola, Huawei, Samsung & RuggedCom telecom equipment.
- RF/Telecom engineer with a track record of problem solving with minimum effect on SLA.

Education

Bachelor of Applied Science in Electrical Engineering 2005-2010
• *University of British Columbia, Vancouver, B.C, Canada*

Published Work

IEEE: **Comparison of Assisted [...] Cooperative Collision Avoidance [...]** Alexander Corbett, **Ahad Shafiq**, David G. Michelson. **Vehicular Technology Conference (VTC Fall), 2011 IEEE.**

Technical Work Experience

LTE & GSM Fault, Configuration & Change Management Engineer Aug 2011-Present
Nokia Siemens Networks, Mobily Project, Riyadh, K.S.A

- Analyzed faults with BTS/BSC/TCSM in a large multivendor environment.
- Supported swap project from pilot site to final site of GSM-Motorola to Flexi-NSN.
- Created tools using VB/sh/SQL for Fault, Configuration and Change Management.
- Executed DB plan modifications on Motorola and NSN platforms.
- Supported pilot LTE project with configuration, fault and change management roles.
- Promoted to team lead during absence of superiors. Successfully managed team of 6.

WiMax RF/GIS Planning Engineer Aug 2010-April 2011
RSL, Transport Canada Project, Vancouver, B.C, Canada

- Utilized Mentum Planet to do RF coverage predictions for WiMax base stations.
- Created a model of test-area using aerial photography, DEM data, LULC data.
- Used ArcGIS, MapInfo & Safe Software's ETL tool for data format handling & conversion.
- Scripted in shell to facilitate data conversion/storage/management.
- Set up drive testing vehicle, supported drive test team & analyzed data from drive tests (GPS-DR).
- Utilized Wireless InSite to create (LOD 3) city intersection models for V2V/V2I simulations.
- Utilized Wireless InSite to perform path loss, delay spread & power received simulations.

WiMax Engineer, Conformance & Performance testing, Vendor Selection May 2010- April 2011
RSL, BC Hydro Project, Vancouver, B.C, Canada

- Integration and Commissioning of WiMax Test Bed.
- Vendor Selection based on test bed of Huawei, Samsung, RuggedCom and GE Wimax.
- Performance Benchmarking of participating vendors' CPEs.
- L3 testing & conformance verification to OFDMA standards specified by the Customer.
- Developed expertise with Wireless Channel Emulator to emulate mobile/fixed Air Interface.
- Developed expertise with Vector Signal Generator to analyze constellation diagrams.
- Developed expertise with Vector Network Analyzer to measure antenna links.

Technical Skills

| SW Development & Server Ops | Telecommunications/Wireless | Professional Training |
|---|---|---|
| Unix shell scripting C++ Ruby PostgreSQL\mySQL git VBA Ubuntu LTS 10.04 Excel | Mentum Planet Mapinfo ArcGIS Safe SW ETL Wireless InSite EMI/EMC GSM/LTE/WiMax | NSN BSS Parameter Planning NSN mCRNC Architecture NSN LTE O&M NSN DX200 Introduction |