

# **Amir Ahmadi**

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## **Senior RF Engineer**

### ***Summary:***

Highly accomplished Wireless Network and Telecommunication professional with experience in Radio Cell Planning, Optimization, and Network Engineering. Hands-on cellular networks expertise includes cellular network design for Macro, Micro, in-building DAS and Small Cell, link budget analysis, site selection, RF Safety, acceptance test, and optimization.

### ***Technical Proficiencies:***

- Radio Access Network planning for GSM, CDMA, UMTS, HSPA, and LTE networks.
- Radio network planning tools: iBwave, Atoll, Planet, and Asset
- Optimization and data collection tools: TEMS Investigation and Discovery
- Network performance and monitoring to improve Key Performance Indicators (KPI)
- Test and measurement tools: Spectrum Analyzer, Power Meter, and Fiber Test
- Familiar with multiple vendors' products: Ericsson, Alcatel-Lucent, and Nokia.
- Proficient Microsoft Office user: Word, Excel, Visio, and PowerPoint.

### ***Professional Experience:***

#### **Further Enterprise Solutions**

*Senior RF Engineer – Apr 2018 – now*

RF Engineering services for their client Verizon Wireless in Southfield Michigan

RF design activities including:

- Cluster Engineer responsible for design new and improving existing sites in my area
- Coverage and Capacity analysis using Atoll, Truecall and other Verizon Internal tools
- Regulatory filings for licensed spectrum for both domestic and International carriers
- RF emission analysis using Verizon internal tools for RF safety
- Review EME (Electro Magnetic Emission) reports and verify report and signage
- FAA, FCC, and AM verifications; run FAA airspace analysis
- PCI planning for new sites using Verizon Internal tools and Atoll

#### **Resolve Tech Solutions**

*Senior RF Engineer – Sep 2016 – Apr 2018*

RF Engineering services for their client Verizon Wireless in Southfield Michigan

RF design activities including:

- Creating search areas within their geographic area of responsibility
- Working with the performance team to understand area and issues within his/her sector and working with System Performance counterpart to understand issues and help reduce Lost Calls and Ineffective Attempts within their sector
- Regulatory filings for licensed spectrum for both domestic and International carriers

- Performing radio engineering evaluation for system planning and site acquisition
- Preparing FCC/FAA and FAS submissions in a timely manner

## **Ericsson Canada**

*Services RF Professional - Mar 2011 to Aug 2016*

Senior Macro, IBS / Small Cell team member and involved in pre-sale design activities, design review, RF support for both Macro and in-building deployments, test result review, commissioning, tuning and optimization of both Macro and Small Cell solutions.

- Direct customer contact and attending meetings, travel extensively across Canada
- In-building design engineer for Canadian customers and major NA operators
- Site survey to verify and / or validate site information, provided TSS
- Generating Design documents (RFDS), and Method of Procedures (MOP)
- Creating 3D model for venues in iBwave for IBS/small cell solutions
- Commissioning, integration, tuning and optimization of installed systems
- Compiling and presenting final design packages for pier and customer review

## **Wind Mobile Canada**

*Senior RF Planner - Apr 2009 to Mar 2011 – Vancouver, BC*

Recruited as a senior member of RF planning team for the West market to design a new WCDMA - HSPA network as the fourth national operator.

- Nominal cell planning for new markets, densification, and coverage extension sites.
- Verified link budget analysis, equipment specifications, and propagation models.
- Performed Monte Carlo simulations for various traffic maps and subscriber models.
- Evaluated search areas, search area relocation, and candidates.
- Visited integrated sites, performed Single Site Verification tests, and generated reports.
- Verified and compared coverage simulation and drive test results.
- Performed measurements and generated reports

## **Photo Violation Technologies**

*Hardware Manager - Jan 2006 to Dec 2008 – Vancouver, BC*

Designed and developed an innovative new M2M parking meter solution; performed complex hardware and firmware verification, integration and testing to ensure optimal functionality.

- Hardware and firmware supervision, design, verification of advance parking meter
- Designed, installed, commissioned, integrated, and trouble shoot an outdoor WLAN mesh network of Access Points using Cisco Aironet 1500 family products.

## **Education:**

### **Azad University**

*B.Sc. Electrical Engineering – Sep 1991 to Aug 1994 – Tehran, Iran*

### **Tehran No. 2 Technical College**

*Associate Degree - Electronics – Sep 1988 to Feb1991 – Tehran, Iran*