

Josef Ocbai

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SUMMARY	Seeking an entry-level IT position
WORK EXPERIENCE	
8/19- 2/2020	Netscout (5G Propagation Modeling for AT&T), Nation-wide RF Engineer (Consultant) Calibrated models for Major AT&T Markets i.e. Chicago, Detroit, Pittsburgh, etc Calibrated Models for Atoll Planning Tool Selected CW drives for Model Calibration Configured setting of Atoll's Aster Module Worked with Model using building vector and Ray Tracing Prepared Calibration result with proper documentation for client presentation
9/16-6/2019	Aquaculture Project, Rwanda Project Manager (Self-employment) Performed market research for Fishing industry Organized a team of experts in Aquaculture to complete project assessment Developed feasibility study for Fish Farm in Kivu and Kigali, Rwanda
9/13-12/2015	AT&T (LTE Network Expansion), Los Angeles Metro LTE Design Engineer (Consultant) Designed new LTE Cell-site for Network Expansion for Metro, Suburban, and Rural areas Used Atoll Planning Tool for Candidate Ranking and Predications Utilized TEM investigation for Data Collection and Post-Processing Designed and locations chosen based on coverage and AT&T COTF requirements. Designed Small Cell solutions for difficult zoning areas Evaluated Small Cell location with Construction and Engineering Evaluated and submitted RFDS for LTE 1C, 2C, and 3C overlay Attended design site walk to implement design for NSB and Descoping projects. Created and submitted new RFDS for NSB sites
1/12-9/13	Harris Corporation (LTE Implementation Engineer(Nokia)), Nationwide LTE Design/Implementation Engineer-Public Safety (Permanent) Implemented LTE Secured Pilot site for Public Safety Agencies i.e. Police, Utilities, Department of transportation in City of Las Vegas, Des Moines, Miami Florida Trained by Nokia for LTE Optimization parameters(public safety usage) Utilized PCTel Scanner and Anite Nemo for Data collection and Processing Made parameters checks and change using NetAct. Utilized Planet EV tool for Predication and coverage plots and simulations Deployed Cisco Core(EPC) with eNodeB for complete mini-network Connected eNodeB to Core via a 2911 Cisco Router and working on IP Plan Installed Configuration File to Nokia eNodeB Selected Antenna, Transmission Line, RET, jumpers, connectors, etc for Pilot Site Evaluated and collected data using AniteNemo Outdoor and Analyzer and plotting coverage map Made recommendation on eNodeB parameters geared toward Public Safety Networks Documented and evaluated the performance Ue designed for public safety Tested P25 and LTE interoperability Evaluated the performance of Public Safety network applications like Coplink on network Tested and Deployed Bio-medical equipment for ambulance applications

12/2004-09/2010

T-Mobile (GSM/UMTS), Concord, CA 94520

Senior RF Engineer (Consultant)

Designed 50+ sites in the City of San Francisco for T-Mobile Bay Area Re-launch Project
Prepared presentation and analysis reports for T-Mobile Engineering management
Provided management with non-traditional design approach for aggressive expansion
Attended Community Outreach for difficult zoning jurisdiction
Designed In-building DAS solutions for company campus in Silicon Valley i.e. AMD, Hotels, etc
Performed site walks for Hotels, Campus of Hi-Tech companies, university campus
Coordinated with Regional Sales Representative to provide cost-effective In-building solutions
Performed Post-Integration Optimization for In-building/Outdoor DAS solutions
Evaluated and proposed modification to several outdoor DAS projects with 30+ nodes in San Francisco
Performed Site surveys and evaluation
Integrated and optimized new site into Cluster and make sure performance meets company KPI goals
Monitored a Cluster's performance, proposed and implemented parameter changes and physical modifications to improve KPI
Modified Cluster to help Reduce Churn in major metropolitan area
Prepared and analyzed modification to improve coverage in "Flexpay" areas
RF configuration correction and redesign for UMTS deployment
Utilized Asset Planning tool for modification predications
Tuned Planning Tool models to make sure predicated coverage and real coverage match
Recognized by T-Mobile Management several times for having the most improved cluster in market and Cluster with greatest delta improvement over one year period.
Performed 20+ In-building designs for Silicon Valley companies i.e. Google Campus
Provided carrier with cost-effective improvement solutions
Trained and provided workshops for Data Testing using Nokia equipment and Ericsson TEMS for San Francisco and Sacramento Markets
Assisted and prepared test equipments and processes for R11 Upgrade testing and functionality checks

SKILLS

Proficient understanding of Radio Propagation
Working Knowledge of LTE network and all Cellular networks
Proficient understanding and utilization of RF propagation theory and prediction tools
Thorough understanding of antenna theory (i.e. polarization, antenna patterns, downtilting)
Proficient in network optimization practices and performance statistics analysis
Proficient understanding of Ericsson LTE/UMTS/GSM cell site equipment and network architecture
Solid understanding of In-building DAS designs
Familiar with all Ericsson RBS and varies configurations
Working knowledge of mapping tools (MapInfo, Topo, Street Atlas)
Proficient with Tektronix Protocol Analyzer for Abis Analysis
Familiar with ETSI GSM/UMT/LTE standard documentations
Proficient with RF test and measurement equipment: oscilloscope, spectrum and network analyzer
Proficient with Microsoft Office package especially Excel and Macros
Excellent verbal and written communications skills
Excellent people skill, able to work in any environment with people with diverse personalities

WIRELESS TOOLS

ATOLL ACTIX ASSET PLANET
TEMS INVESTIGATION Tektronix PROTOCOL ANALYZER
ERICSSON TOOLS- CNA, MRR, PMR, NCS

DATA TOOLS

PYTHON (data packages) R PROGRAMMING TABLEAU
MACHINE LEARNING (SCIKIT-LEARN)

PROFESSIONAL TRAINING	LTE RF Planning and Design Certification Workshop (Award Solutions) Nokia LTE Optimization and Parameters Introduction to 5G Udacity Data Analyst Nokia LTE Planning Training IB Wave TETRA Basic WCDMA RAN Training CDMA 2000 Network Planning (Qualcomm) Hands-On training 3G Ericsson network post deployment PLANET EV Planning Tool (Marconi) ASSET & ODYSSEY Planning Tool (varies vendors) Wireless Communication Standards (802.11 & 802.16) (Dr. Cooklev IEEE)
EDUCATION	B.S. in Electrical Engineering with Emphasis on Communication Theory SAN JOSE STATE UNIVERSITY, San Jose, CA
CERTIFICATION	PMP (Project Management Professional) – License 1928446 CWNA (Certified Wireless Network Administrator)- License 482743
CITIZENSHIP	U.S. Citizen