OCTAVIO LIMA

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DIRECTOR OF ENGINEERING

Resourceful Telecommunications Executive with many years of experience in research and development of complex infrastructure products for wireless networks. Proven track record in leading system engineering teams in design, specification and implementation, including quality assurance, as well as development of intellectual property, resulting in several patents, of telecommunications access equipment. End-to-end and customer focused approach to product and business development. Goal oriented manager able to lead by example and inspire organizations to innovate. Fluent in English, French and Portuguese, proficient in Spanish.

AREAS OF EXPERTISE

- Strategic Planning
- Resource Planning
- Change Management
- Emerging Technologies
- Implementation Strategies
- Quality Control
- Team Management
- Program Management
- Regulatory Compliance
- Budgets / Cost Optimization
- Risk Assessment
- Product Marketing
- Technology Strategies
- Software Development
- Standards Development

"Octavio is an excellent manager and world class engineer (a rare combination). He has a broad and deep understanding of cellular technologies, and he captures new concepts quickly. As manager, he makes sure to bring the best out of his team, consistently meeting and exceeding expectations. I highly recommend him."

Gunnar Borg, VP Technology, Ericsson

SELECTED CAREER HIGHLIGHTS

Reduced understaffing and increased men-hour output by 10% by creating cross assignment process to ensure complete workforce flexibility.

Significantly reduced misconfiguration failures by creating a process to auto-generate customer documentation from design documents.

Created a process to automatically evaluate Key Performance Indicators (KPI) of fielded systems to perform preventive maintenance on fielded systems.

Created a process to increase customer satisfaction surveys, by a full point on a scale of 10, by proactively introducing field identified issues, sharing in customer forums and explaining prioritizations of fault fixes introduced in product lifecycle management.

Assisted in streamlining the design process to shorten the total time required for a release **resulting in a 12% reduction in men-hour requirements.**

PROFESSIONAL EXPERIENCE

LIMA SYSTEMS CONSULTING | THE COLONY, TX   2014 – Present

Director and Principal
- Consulting with different companies in their technology needs, understanding the evolution of the telecommunications technologies as well as helping those companies understand what changes to their networks are required to deploy the upcoming technologies.
- Worked with standards groups, representing the interests of those companies in areas such as IoT and cloud, as well as assisting in business development and technology education.
- Assisting small companies in promoting their products and technologies in Latin America.

ERICSSON INC. | SAN DIEGO, CA AND BOULDER, CO AND PLANO, TX   1999 – 2014

Director of Engineering and various positions 1999 – 2014
Plano Wireless Broadband Engagement Practices
- Developed standards related to M2M, energy efficiency, Cloud Services and network performance and acted as liaison between internal standards groups with Sprint and Verizon and worked closely with C Spire on technological differences.
- Successfully led the integration of the Nortel 3GPP2 standards team into Ericsson.
- Served as Chairman of ATIS Cloud Services Forum standardization group.

PROFESSIONAL EXPERIENCE - Continued

Boulder Development Center Systems Engineering

- Led a group of engineers working on 3GPP2 standards. Defined strategies for the work aligned with the corporate goals. Also acted as the liaison between engineers working on standards in different groups, core network, packet core network, air interface and OA&M.
- Acted as liaison between standards groups in Europe in charge of 3GPP standards development and US operators' standardization groups.
- Acted as the liaison between internal standards groups and Verizon in developing the transition between their CDMA network and the LTE technology.
- Served as the subject matter expert for sales teams in explaining upcoming technologies in 3GPP, specifically LTE & SAE.

Wireless infrastructure Systems Engineering.

- Acted as site manager for R&D, leading a group of 66 engineers and $15M+ budget. Planned and executed successfully on schedule the competence and responsibility transfer between sites. Executed a ramp down plan for resources.
- Successfully led a group of 23 engineers that redesigned the complete CDMA radio access network products to make the jump from 2G to 3G.
- Innovated a new distributed architecture while leveraging existing company building blocks to accelerate time to market.
- Motivated the organization by giving challenging assignments, promoting competence rotation and coaching engineers to try creative approaches.
- Co-authored several patents for the CDMA systems.
- Was the main point of contact for discussions with customers related to quality issues. Customers included China Unicom, TATA Telecom.
- Created the most comprehensive system configuration documentation ever available in the organization aimed at optimizing performance in different environments.
- Chosen as preferred customer interface in the R&D organization due to ability to troubleshoot complex problems and communicate very clearly and consistently. Was tasked with both low level and high-level discussions with Qwest, Leap Wireless, China Unicom and TATA Telecom.
- Led a team of engineers to create troubleshooting tools and techniques for the CDMA radio network that reduced trouble report resolution time by 50%.
- Created new performance management metrics that made possible product benchmarking and recommendations for algorithm improvements.
- Co-authored a patent for hard handoff based on distance measurements that increases the accuracy of the triggering point when the mobile is slewing its timing.
- Designed inter-BSS soft handoff feature using the A3/A7 interfaces specified in CDG IOS v4 to allow network scalability and enhance multi-vendor integration possibilities.
- Created competence development plans with a strategic view of industry trends and state of the art technology.
- Led a group of 6 engineers to create all system performance metrics of the CDMA2000 1X radio access network.
- Became most valuable expert in knowledge of radio access algorithms for the CDMA radio access network.
- Contributed to development of standards in the work groups of TSG-C and TSG-A of the TIA and 3GPP2.
- Implemented new processes to shorten design life cycle while reducing budget allocation.
- Designed the hard handoff feature in CDMA2000 to reach carrier grade call drop rates.
- Trained customers in CDMA technology and products.

QUALCOMM INC. | SAO PAULO, BRAZIL AND SAN DIEGO, CA   1997 – 1999

Systems Engineer

- Led the technical team that performed the first CDMA WLL trial in Brazil, TELEBAHIA 1997, and as training instructor, field engineering lead and site manager obtained full customer acceptance and certification.
- Specified product adaptations required for signaling, billing as well as phone and switch tones, to comply with local TELEBRAS standards.
- Was an integral member of the deployment of the first CDMA PCS network in Latin America, installing and commissioning BTS and BSC and doing network optimization for most of the Southern region.
- Provided technical support for business development and proposals.

EDUCATION & CERTIFICATIONS

Master of Science in Electrical Engineering, ITA (Aeronautics Technology Institute) Brazil

Bachelor of Science in Electrical Engineering, UNICAMP, Sao Paulo, Brazil

C, C++, Perl, Python, MATLAB and UNIX shell scripting languages