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Top Skills

SQL

Amazon Athena

Market Research

Certifications

Python Functions for Data Science

Deloitte Australia - Data Analytics
Job Simulation

SQL Intermediate

AWS Cloud Quest: Cloud
Practitioner

Data Science On Cloud

SHANKARGANESH DORAISWAMY

Innovative Global Program Leader at the Nexus of Telecom & Cloud
Technologies | Driving High-Performance Network Solutions
Bengaluru, Karnataka, India

Summary

As a seasoned Global Project Leader at the intersection of Telecom
and Cloud technologies, my career has been characterized by
driving transformative initiatives that redefine industry standards
and yield multimillion-dollar revenue streams. With a relentless
commitment to innovation, project excellence, and strategic
leadership, I have spearheaded groundbreaking achievements
in 5G, LTE, and ORAN solutions, positioning organizations at the
forefront of technological advancement.

Throughout my career, I have cultivated strong leadership skills by
guiding cross-functional teams through complex telecom and cloud
projects, fostering collaboration and inspiring excellence. I possess
the ability to think strategically and envision long-term goals while
devising and executing tactical plans to achieve them, ensuring
alignment with organizational objectives.

My problem-solving skills have been honed through the
identification and resolution of challenges in project execution,
system optimization, and customer service. This has led to the
development of innovative solutions and enhanced efficiency
across various projects across US and India. Additionally, my
refined communication skills enable me to effectively convey
complex technical concepts to diverse stakeholders, fostering clear
understanding and collaboration across teams and departments.

✓ Achieved 90% improvement in feature build accuracy by
delivering the initial MVP on time and leveraged scrum-based agile
methodologies to foster a focused environment for efficient task
execution, which led to significant cost savings.
✓ Won the $1.4B T-Mobile network consolidation RFP through
leadership in cross-functional team collaboration, ensuring market

share retention and solidifying Nokia's position as a leading 5G provider in North America.

✓ Secured 50% increase in 5G user engagement, 37% improvement in spectral efficiency, and a potential nationwide business opportunity valued at $1.5M while leading the first-of-its-kind 5G optimization service for Nokia.

✓ Attained $500K quarterly OPEX reduction while leading Kaizen-driven program migration of repeatable tasks to remote teams, enhanced delivery quality & speed, and empower engineers to focus on network optimization and upselling.

Core Competencies include:
Engineering Management | Project Management | Strategy Planning & Execution | Software Development | VPP Development Leadership | Digital Transformation | Cloud-Native Architecture | Cross-Functional Collaboration | New Product Launch

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Experience

Nokia
15 years 4 months

Technical Program Leader | Engineering Management | Product Management | ORAN RT-RIC/VPP R&D
June 2021 - Present (4 years 1 month)
Bengaluru, Karnataka, India

80% DEPLOYMENT FAULTS REDUCTION | 90% FEATURE BUILD ACCURACY | AGILE METHODOLOGIES

Provided leadership to operational squads, removed obstacles, allocated resources, and established efficient processes to drive smooth operations and high-quality delivery. Implemented critical applications for the Real-Time RIC components of the Open RAN (ORAN) architecture leveraged Kubernetes & Docker containerization for efficient deployment and scalability. Led the entire VPP product development lifecycle from concept to commercialization, leading a team within R&D to design, implement, and deliver a high-performance, scalable, and user-friendly solution that met demanding technical requirements.

Attained 10% reduction in defects, 35% faster fault correction time, 90% feature build accuracy per sprint, and 95% feature completion rate per release, boosting team confidence in bug resolution during development and entity testing.

Secured 80% reduction in deployment faults and the successful transition of R&D support mode from mandatory to an as-needed basis, thus improving collaboration and problem-solving between R&D and Customer Services teams.

Achieved 90% improvement in feature build accuracy by delivering the initial MVP on time and leveraged scrum-based agile methodologies to foster a focused environment for efficient task execution, which led to significant cost savings.

Exceeded project goals by achieving sub-0.7-second latency with 5,000 simulated units, seamlessly integrating with a third-party GUI for user interaction and control while flawlessly executing a VPP product demo.

Pioneered an innovative mobile network solution by developing a Machine Learning MRO xAPP to enhance radio link ,culminating in the successful launch of the VPP product at Mobile World Congress-2024.

CORE EXPERTISE: Engineering Management | Product Management | Agile Methodologies | Quality Assurance and Testing | Collaboration and Communication | Innovation and Problem-Solving

Technical Solutions Head | Services Portfolio Solution (Deploy & Network Cognitive Services)
March 2020 - June 2021 (1 year 4 months)
Bellevue, Washington, United States

$1.5M BUSINESS SECURED | 50% 5G USER ENGAGEMENT INCREASED | MULTI-MILLION DOLLAR PROJECTS

Directed a team of Solution Architects, Service Solution Managers (SSMs), and Subject Matter Experts (SMEs) for all service delivery aspects. Ensured adherence to standard procedures for E2E deployment of mobile network radio products and networks (Deploy+NCS). Leveraged data collection and analysis through drive testing and log analysis to optimize network parameters for improved 5G coverage and user experience. Effectively interfaced with customers and internal teams to deliver optimal solutions at the national and regional levels.

Won the $1.4B T-Mobile network consolidation RFP through leadership in cross-functional team collaboration, ensuring market share retention and solidifying Nokia's position as a leading 5G provider in North America.
Secured 50% increase in 5G user engagement, 37% improvement in spectral efficiency, and a potential nationwide business opportunity valued at $1.5M while leading the first-of-its-kind 5G optimization service for Nokia.
Played a key role in securing multi-million-dollar projects that directly benefitted the company financially and enhanced its reputation, competitiveness, and long-term growth prospects in the telecommunications industry.
Obtained $0.5M business opportunity with the Golden Cluster Optimization Project while completing 5G field verification for 95% of T-Mobile's sites, achieved 5G DL throughput of 200Mbps per sector/site and gaining their trust.

CORE EXPERTISE: Strategic Planning & Leadership | Customer Engagement | Data Analysis and Optimization | Cross-Functional Collaboration | Business Development

Program Business Manager | Network Planning & Optimization | Project Leadership
September 2018 - March 2020 (1 year 7 months)
United States

$1.4B T-MOBILE RFP SECURED | T-MOBILE'S WORLD-FIRST 5G LAUNCH (NOKIA PRODUCTS) | $500K OPEX REDUCTION

Led T-Mobile's pioneering 5G launch utilizing Nokia products, driving the development of a comprehensive global launch template and guidelines. Played a key role in coordinating vendor and supplier purchase order (PO) and goods receipt (GR) management, devised strategies, oversaw pre-sales activities, managed solutions, and drove product marketing for end-to-end wireless networks across various technologies (5G, LTE, Small Cells, 3G, 2G), leading to improved operational efficiencies.

Maximized gross profit (GP) margins by 30%, achieving this through securing new and upsell opportunities for Nokia's NPO services within T-Mobile markets, significantly boosting the company's financial performance.
Secured $1.4B in T-Mobile RFP and nationwide 5G services while earning the prestigious ACE award in 2019, reaffirming Nokia's leadership in 5G technology and enhancing its reputation for excellence and innovation.
Obtained $0.5M business opportunity with the Golden Cluster Optimization Project while completing 5G field verification for 95% of T-Mobile's sites,

achieving an average 5G DL throughput of 200Mbps per sector/site and gaining their trust.

Optimized T-Mobile's world-first 5G launch (Nokia products) for global impact by pinpointing backhaul bottlenecks Samsung UE/Qualcomm chip bugs and championing pre-launch automation (SON) while leading 14 individuals.

Achieved $500K quarterly OPEX reduction while leading Kaizen-driven program migration of repeatable tasks to remote teams, enhanced delivery quality & speed, and empower engineers to focus on network optimization and upselling.

CORE EXPERTISE: Project Leadership | Solution Management | Strategic Planning | Customer Relationship Management | Innovation and Problem-Solving | Cross-Functional Collaboration | Vendor and Supplier Management:

NPO Market Manager | Network Planning & Optimization | Market Research and Analysis
May 2013 - March 2020 (6 years 11 months)
Dallas/Fort Worth Area

30% CALL DROP IMPROVEMENT | NOKIA QUALITY AWARD 2014 (CUSTOMER EXCELLENCE)

Led strategic network optimization initiatives, aligning them with key performance indicators (KPIs) and regional needs, which led to improved network performance and a significant increase in customer satisfaction. Facilitated cross-functional collaboration between diverse teams (R&D, field verification, technical support) to ensure efficient resolution of network issues and enhance overall network performance.

Achieved 30% reduction in voice call drop rate and improved audio quality to "Fair" (MOS 3.5) through cross-functional task force leadership and network probing tool utilization for T-Mobile VoLTE network optimization.

Earned the prestigious Nokia Quality Award 2014 (Customer Excellence) by leading a cross-functional task force to address and solve customer complaints regarding call drops, one-way audio, and garbled voices.

CORE EXPERTISE: Network Planning & Optimization | Market Research and Analysis | Cross-Functional Collaboration | Customer Excellence

Network Specialist
March 2010 - September 2018 (8 years 7 months)

Having served as a Network Specialist, I supervised affairs related to Network Planning and Optimization, collaborating with the project team to ensure an efficient rollout in the region, involving processes design, bottlenecks troubleshooting, and overall performance improvement. I standardized the parameter of GERAN/UTRAN/EUTRAN on a network level to ensure consistency in database & performance.

Career duties:
Provided link budget and all LTE site types dimensioning—ground, rooftop, tower-top, MIMO modes, combining mode, etc.
Specialized in RF design and coverage objective for LTE, RF design parameters, PCI planning, PRACH planning, tracking area planning, calculated coverage and interference maps, and project data files on the simulation tools for LTE network design.
Rendered data-build support for rollout, swap/migration of nodes in 2G, 3G, and LTE up to latest Nokia Flagship 5G Airscale product.
Coordinated with O&M Engineers for BTS integration and troubleshooting, including preparing CM Plan for RF changes across the entire network using OSS applications, providing SCF & RNW plans in XML scripts using technologies like DAISY.

Etisalat DB Telecom Pvt. Ltd.
Sr.Engineer-RF(Circle RF Lead)
December 2008 - March 2010 (1 year 4 months)

Responsibilities as Circle RF Lead:
• Acting as a Circle RF Lead for Entire Circle
• Role in Planning & Designing of more than 2000 Sites in TN Circle
• Mapping the Sites with IP Vendor & Coordinating with them for PSR, SRA to release Service Order finally.
• Validating & Authenticating the Design parameters like Freq Plan, NCP &LAC Planning
• New Sites pre integration field check & Post Integration checking.
• Certifying the Drive test Report -SSV (Single site Verification) & recommending the site for RFL (Ready for Launch).
• Supporting sales and marketing in the pre-tender and sales phases.
• Active Role in Planning IBS in Metro & Showcase Towns.
• Analyzing the BOQ & giving Projection of BTS Planning.
• Supporting the management with respect to the Launch readiness.
• Forecasting the Ater Utilization which in turn helps to determining the OPEX

Ericsson
Radio Network Consultant
August 2007 - November 2008 (1 year 4 months)

Responsibilities on 2G Environment:

• KPI monitoring and improvement of the KPI value of GSM network.

• Monitoring & Improvement of network statistics for problem troubleshooting and resolution.

• Clearing of Inconsistency and measurement based on weekly basis

• Preparation of RND Data design, Freq. Plan, NCP and CDD for new sites.

• New Sites pre integration field check and Optimization and Fine-tuning Existing sites

• Preparing radio proposals as per tender requirements.

• Proactively help customers identify their radio needs.

• Evaluating customer's technical specification on radio network.

• Supporting sales and marketing in the pre-tender and sales phases.

• Actively pursue design of radio networks.

• Based on BO (Business Objects) stats and through MRR (Measurement Result Recording) problem were identified and resolved.

• Evaluating customer's technical specification on radio network.

• Actively pursue in trouble shooting of radio network problems through Ericsson Radio Network Optimization Tools like MRR,NCS,FAS & also through Drive test

Aircel
Enginner-Radio & BTS
May 2005 - July 2007 (2 years 3 months)

Responsibilities as RF Engineer

Conducting Drive Test Using TEMS Investigation 5.1.2

Done RND/TND survey For Phase VB,VI ,VII project consisting of 125 Sites

Done RND survey for 31 Capacity sites apart from above.

Traffic Report Analysis.

Power Budget Analysis.

Based on Traffic capacity cell planning.

Frequency planning preparations

Dump Analysis both BSC and Drive.

Working with MapInfo.

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Education

The University of Texas at Austin

Post Graduate Program, Data Science & Business Analytics

Vinayaka Mission's Research Foundation - University

Master of Engineering - MEng, Communication Systems

Sri Sairam Engineering College

Bachelor of Engineering (B.E.), Electrical, Electronics and Communications
Engineering

DRBCCC

Higher Secondary, Bilogy Group