

## Past Performance Endorsements

This subsection provides past performance of Ahmad Sultan as posted on his LinkedIn profile.

### **Program Name – Call One Core Network Development, 10/03/2016 to September 2018**

Provided front-end engineering guiding Call One to identify and select vendors having the superior and more beneficial technical solutions with substantial savings and deep discounts. Conducted research and development, authored Systems Engineering and Architecture requirement documents, managed vendors, evaluated bids, ran feasibility analysis, supported product line manager and core network engineering in rolling out Call One services, as well as authored and assisted in delivering project driving documents.

The work performed is related to R&D, Systems Architecture/Engineering, Design Documentation, functional areas through the following work items:

- Led companywide Cross Functional Team (CFT) in BSS/OSS Transformation efforts. Provided programmatic support, Vendor Management, requirement analysis, and executive status reporting.
- Led systems engineering and architecture of Call One SD-WAN:
  - Authored SD-WAN FRD, managed RFP process, conducted Bid Evaluation, and identified top two candidates. Technical team member testing the vendors' solution remotely and at vendors' facilities.
  - Supported Product Management team by developing the cash flow analysis, negotiating better agreement terms, obtaining deep discounts (up to 60%) and better utilization of market entry fees, creating HW and SW inventory selection and SKUs, compiling training material to downstream teams to aid in product rollout, and authoring SD-WAN Technical Reference Architecture Catalogue for sales engineers.
  - Supported Project Management as well as Bids and Proposals teams by developing SD-WAN SoW, Project Management Plan, Project Management Workbook, and Change Order documents, as well as Service Order Fulfillment (SOF) process details and swim lanes, initial project plan (Work Breakdown Structure) and timeline.
  - Supported Core Network Engineering team on the development of Call One SD-WAN standard configuration and options, network topologies, customer data collection forms, and Acceptance Test Plan.
- Led IT Infrastructure Migration to Hyper-Converged Infrastructure (HCI) by researching and developing HCI Feature Requirement Document (FRD), Vendor Management, Bid Evaluation, creating the implementation System Architecture an Engineering Document (SAED), sales terms negotiation, and project transition plan to IT team.
- Diversified Call One service offerings by prototyping, field testing, characterization of Fixed Wireless Access Service. Delivered field tests Method of Procedures (MoP), and Customer Config documents.
- Developed Architecture for core network integration into Equinix Private Cloud, by creating Single Port Deployment and Service Order Procedure to Microsoft Azure and Amazon Web Services.

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*"I have had the pleasure of working with Ahmad for the last few years. He is a talented and thorough engineer who can make the most complicated concepts appear simple. Ahmad embraces collaboration and team success and makes doing business a productive and pleasurable experience."* Tom Kolletis, Product Manager at Call One.

### **Program Name – Sprint Wireless Core Network Development, 11/28/2011 to June 2016**

Onsite SME of Oracle/Tekelec DIAMETER Signaling Router (DSR), delivering Systems Engineering and Architecture of DIAMETER signaling solutions to support Sprint 4G/LTE deployment. Onsite Core Network Engineer developing Sprint' Enhanced Circuit Switched Fallback (eCSFB) feature to enabling Sprint market entry in 4G/LTE by to supporting Voice and ancillary services on LTE using 1xRTT infrastructure.

The work performed is related to R&D, Systems Engineering, Design Documentation, Configuration, Interoperability Testing and Training functional areas through the following work items:

- Developing Solutions Architecture & Engineering Design documents. Prototyping designs and completed proof of concepts in the Lab. Authoring Methods of Procedures (MoP) to implement solution in production system, including software upgrades. Certified procedures in the lab. Developing user guides and generic procedures for provisioning specific solutions, and delivering training to deployment teams. Co-authoring test cases, and conducting Interoperability Testing (IOT), and performance studies.
- Developing the engineering design documents for Sprint Wireless Enhanced Circuit Switched Fallback (eCSFB) feature to support revenue generating Voice, E911, Wireless Priority Services, Location Based Services, SMS, and Voice Mail Notification services on LTE using 1xRTT infrastructure, all enabling Sprint market entry in 4G/LTE.

# AHMAD SULTAN

Solutions Architect (Principal)

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*"I worked with Ahmad for 2 years. He is a customer-focused and detail-oriented engineer. He possesses strong skills in designing and integration testing of wireless core; he works very hard to deliver a quality product on-time. He developed excellent design documents and presented them to different teams, he also prepared MOPs and configuration files. He supported his team members well and provided training to new members."* Akbar Aman, Network Design Engineer at Sprint.

*"I had an opportunity to work very closely with Ahmad when he was working as LTE Core Network Development Consultant at Sprint. His in depth knowledge of LTE architecture was astonishing and motivating for me. He put immense efforts in development of eCSFB technical documentation for Sprint which was the main reference point for us to finish the Sprint eCSFB project successfully. Along with his excellent technical skills and management skills, he kept great camaraderie with all the Sprint vendors and has helped many Engineers in the Organization to get a deeper understanding of LTE Network Elements with his outstanding grip over 3GPP specifications. With his enormous knowledge and long experience, I truly recommend Ahmed for a senior role in Telecom Industry."* Priyadarshini Gore, Alcatel-Lucent, 4G LTE Subject Matter Expert.

*"He (Ahmad Sultan) was the key player in many multi-vendor discussions where he was shaping the technical requirements, guiding the vendors while referring to the 3GPP specifications that he knows very well. He eventually wrote a standard grade technical specifications document that was used by different organizations within Sprint and its vendors as the CSFB reference."* Sameh Naguib, LTE/EPC SME and Team Lead Alcatel-Lucent.

*"His work on the front end development was key to that aspect of the overall success of the eCSFB program. This program changed the way voice calls are signaled to the CDMA phones, via the LTE radio channel."* Phil Kopp, Director - Network Development at Sprint

## **Program Name – Lucent Common Wireless Platform, 04/12/1999 to 12/06/2006**

R&D performing front-end Systems Engineering and Architecture of Lucent Technologies Common Wireless Platform (the common assets supporting Lucent's 16 wireless communication service applications), as well as IMS End-to-End Charging architecture.

The work performed is related to R&D, Systems Engineering, Design Documentation, and Training functional areas through the following work items:

- Reviewing industry Standards and understanding current systems, then developing End-2-End solution, roadmap features, performance models. (Co)Authoring the System Architecture and Requirements Documents, Performance Budgets and Guidelines, and Wireless Platform Knowledge Transfer presentations.

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*"Ahmad has always proactively initiated, led, and coordinated both his efforts and the efforts of others to deliver on-time, high quality front-end results that exceeded commitments for Lucent. His work leading the Lucent Performance Cross Functional Team (CFT) and all associated activities were highly acknowledged by his peers and by management across multiple departments. Ahmad was solicited for several Technical, Front-end processes, and cross departments improvement projects during his time at Lucent. He was a very strong team player with leadership roles on multiple CFTs. Ahmad always delivered features requirements on schedule with high quality. Ahmad's dedication to detail and accuracy greatly minimized development confusion. He was frequently sought after by his peers to moderate technical meetings. Ahmad was also always willing to expand his work efforts to fill critical functionality not presently staffed."* Jerry Rog, Technical Commodity Manager at Alcatel-Lucent.

*"Ahmad worked me in a systems engineering and performance analysis capacity while at Alcatel-Lucent. He was an integral part in setting standards for our performance and in ensuring we met the performance characteristics specified. He was very detail oriented, documented his work carefully, thoroughly, and in a very understandable fashion. He was easy to work with, and people sought him out for his expertise. He would be a welcome addition to any system solutions team!"* Jim Hoch, Director, Wireless Platform Development at Lucent Technologies.

*"Ahmed was a solid technical contributor to the Performance Architecture team. He provided a direct and in-depth technical analysis of processor performance for new architectures were evaluating for new product introduction."* Kevin Menke, Supervisor, Alcatel-Lucent

## **Program Name – Cricket Communication Migration to PCC, 09/26/2010 to 07/12/2011**

Application Engineering leading the migration of the customer's Broad Band Mass Merchant (BBMM) charging system to 3GPP Policy Control and Charging (PCC) architecture.

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The work performed is related to Systems Engineering, Design Documentation, Interoperability Testing, and Deployment functional areas through the following work items:

- Leading interoperability testing of vendor's OCS, & integration of PCRF into Core Network, and supporting the cutover in production sites. Architecting and designing PCRF load balance solution using BIG-IP F5 hardware. Installing PCRF nodes, SAN, configuring Brocade Fiber Channel switches and F5 load balancers. Authoring test requirements, lab configuration and network architecture, IOT readout, and as-built documents

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*"Ahmad worked for me for about a year and assisted in the deployment of our PCRF platform. His unparalleled attention to detail and willingness to do any task were instrumental in the success of the project."* Chris Burke, Manager, Applications Planning & Engineering Cricket Communications

## **Program Name – Computer Solutions, Inc. Test & Measurement, 09/26/1996 to 04/12/1999**

Principal Systems Engineer/Integrator leading the development of PC-Based automated test & measurement systems.

The work performed is related to Systems Engineering, Prototyping, Design Documentation, Software Development, Testing, Integration and Deployment functional areas through the following work items:

- Leading an engineering team in the definition, development, integration, deployment, testing, and documentation of Hexcel, UT, Extensible Compound Materials Mechanical Test System. Prototyping, in two days, the proof the concept of PC-based test system of IC Characterization of the first all-in-ear canal hearing aid (Sonic, UT. In addition, completing the full cycle development of Caterpillar's, IL, Automate Axle Test System, in three weeks.

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*"He has a rare combination of advanced education (PhD) and an ability to communicate with people at all levels. His engineering talents in electrical (as opposed to electronic) engineering and LabVIEW software development were very strong. I would work with him again if the situation presented itself."* Steven Vetter, CEO Computer Solutions, Inc