

CJ Hicks

Tampa, FL

-Email me on Indeed: <http://www.indeed.com/r/CJ-Hicks/918d349e521df9d6>

Professional Summary

Chief 5G Technical Architect

Dell Technologies, Federal

Christopher "CJ" Hicks serves as the Chief 5G Technical Architect for Dell

Technologies supporting government agencies and the U.S. Department of Defense.

CJ is an Electrical Engineer with degrees from the University of Florida and UT

Austin McCombs School of Business. He has over 30 years of experience in the commercial and defense wireless technology and communications industries. Prior to joining Dell, CJ worked for Samsung Electronics America where he was responsible for Verizon 5G deployments across North America.

CJ is a Naval Special Warfare Veteran specializing in mobile combat communications and test equipment calibration. He was stationed in Central and South America during his service time. Fluent in Spanish, he currently lives in Florida. CJ enjoys time with family, hot yoga, cross-fit, road cycling, obstacle course racing and mixed martial arts.

I also have a lot of experience with NTN 5G networks with companies like Maxar. I spoke on a panel at SpaceCom 2023 and slated to speak at SpaceCom 2024

- ECSE Design #3329

- Certified AWS Cloud Practitioner

- iBwave® Level 3 Certified

- Macro Outdoor Certified Atoll, Planet, Wizard, dB Planner, Keima Overture, Asset, CellPlanner

- MiMo Antenna, Massive MiMo, Beam-Forming

SUMMARY: Twenty seven years of management, engineering, project management, business development, telecommunications network design, RF planning

CDMA/TDMA/GSM/UMTS/4G/LTE/5G/CBRS cellular and WiFi for multiple national wireless carriers. Worked for many large vendors and received formal training in several disciplines. Experienced in RF Design civilian or military (RF design, Project

Management, Sales Support, Vendor Support, Construction, Real Estate/Site

Acquisition, NOC and Equipment Engineering.

DoD qualified Spanish speaker

DoD Secret Security Clearance (Expired)

Industry Experience:

Wireless Communications- 30 years

RAN Engineering - 20 years

New network deployments - 25 years

Network Service Assurance - 25 years

Wireless Quality Metrics - 25 years

Service Level Agreements - KPI / SLA Definition - 25 years

DAS - (Outdoor/Indoor)- 20 years

(CSI/ADRF/Andrew/Powerwave/MobilAccess/Ericsson/ADC/AT&T for indoor

DAS commercial clients

Electronics/Electrical- 30 years

Two-way radio (HF/VHF/UHF/SHF/Satcom)- 19 years

Project Management- 25 years
RF Planning / Network Design- 25 years
RF Network Optimization- 24 years
Network Implementation Management- 24 years
BTS Install & Commissioning- 18 years (Ericsson ,Nokia, Nortel, Siemens, Lucent, Motorola)
Data Translations/Unix- 18 years
RF Test Equipment- 30 years
Calibration/Metrology- 30 years
Product Development
Manufacturing
AutoCAD
Technical Support
Research and Development (R&D)
SQL
Contract Management
Continuous Improvement
Adobe Photoshop
New Business Development
Specialties: RF Design - TDMA/CDMA/WCDMA/GSM/Wimax/LTE-4G/5G
RF Optimization
DAS Design - Indoor / Outdoor
Base Station Integration & Testing
Project Management
Program Management
NOC Integration
Drive Testing
Walk Testing
RF Planning - Wizard, dB Planner, Aircom Asset, Atoll, Mentum Planet, Keima
Overture, RANPLAN, QXDM, Linuz, Unix, Perl, C+. Fortran, VB, AWS
CJ Hicks ,Veteran, Wireless Industry Expert - page 1
Linux System Engineer: Network Bonding, IPv6, Routing, and Virtual Systems
LinkedIn

Willing to relocate: Anywhere
Authorized to work in the US for any employer

Work Experience

Chief Technical Architect

Dell Technologies Federal-Tampa, FL

February 2022 to Present

Lead Federal 5G / Private Wireless and emerging wireless technologies for Dell Technologies Federal DOD clients.

Also Account Executive 4 / Business Development

Senior Consultant

Metaverse Standards Forum

August 2022 to April 2023

Engineering Services

Samsung Electronics America

November 2020 to January 2022

(1 year 3 months)

Verizon 4G, 5G, mmwave, C-band, CBRS and inbuilding deployment support nationally.

- 20+ Years in Pre-Sales Engineering roles
- Familiar with virtualization (KVM, VMWare) and container environments (docker, Kubernetes)
- Experienced in Ansible, Terraform, Python, REST API's and other tools for scripting and programmability of infrastructure
- Excellent knowledge of ISP network architectures (fixed and mobile), data centers, and enterprise networking
- Good knowledge of data and control plane networking protocols (BGP, OSPF, VLAN, VXLAN, IPsec, etc)
- Very familiar with Linux OS, especially Linux networking configuration
- Fluent in multiple languages including English

Key skills:

Familiar with LTE EPC packet core architecture, interfaces (S1, S6a, S5, S11, Gx, X2, SGi), protocols

(NAS, S1-AP, Diameter, GTP)

Knowledge of packet core nodes such as MME, SGW/PGW, HSS and PCRF

Ability to perform Linux scripting such as bash, Perl, or Python

Ability to run load generation applications such as Ixia or Spirent

Familiar with open source reporting systems such as Prometheus, Grafana, and Elasticsearch. Understand how to query alerts, reports, stats from these applications.

Automation of reporting systems

Ability to troubleshoot the failures/run Wireshark and analyze packet results.

Director Of Business Development, Enterprise

Goodman Solutions

January 2019 to October 2020

(1 year 10 months)

Focused on DAS / Smart City / Small Cell / CBRS business development & sales with a dual role in Solutions Architecture.

- Radio Coverage design and analysis
- Equipment list generation
- Description of system design, including diagrams
- Understanding customer requirements
- Calculation of power and networking requirements
- Participation in proposal reviews and contract negotiations
- Consultative guidance to customers and sales team
- Presentations to customers
- Coordinate with the various functional teams (Systems Integration, Service, Sales, Product Groups) to ensure all business unit goals are addressed in our proposals and win-strategies.

- Development of the implementation approach and service plan necessary to win the project
- Meet/exceeding customer requirements and provide value alternatives when requirements cannot be met
- Manage sales, revenue and margin goals
- Drive all sole source & RFP (Request for Proposal) projects to completion managing the schedules of each project team member (engineering, proposal specialist, sales, and service)

Senior Solutions Architect

Goodman Networks

February 2019 to July 2019

(6 months)

Senior Sales Engineer

Federated Wireless

Feb 2017 - Jan 2019 (2 years)

Senior Sales Engineer - Nationwide - Federated Wireless-

In charge of WISP vertical selling CBRS SAS services, organizing field trials, OEM updates, and sales for services to the hundreds of WISPs in the United States

- Coordinating and managing technical account engagements: customer facing operational activities, configuration of end-to-end CBRS ecosystem, network validation testing, and User Acceptance Testing
- Professionally demonstrating features and functionality of company solution offerings
- Leading technical proof-of-concept engagements, pilots and RFP technical responses
- Listening carefully to what customers claim they want, figuring out what they actually need, and then collaborating with product teams to define requirements and deliver new features.
- Fully and effectively managing technical engagement with customers, partners and internal teams. Identifying, clarifying and resolving technical issues and monitoring bug fixes.
- Providing high-level network architecture support to validate customer architecture, design end-to-end solution integration and effectively respond to customer questions.
- Building strong, trusting technical relationships with customer and partner organizations.

Wireless Solutions Engineer

Corning Incorporated-Southeastern, PA

November 2016 to January 2018

(1 year 3 months)

Wireless DAS OEM architecture and solutions for Tier 1 Carriers and Large Enterprise venues on RAN 3G / 4G

Sr RF Engineer

Crown Castle Crown Castle

May 2015 to October 2016

(1 year 6 months)

Business development, RF Design and Optimization, RFP response support, DAS /

Small Cell surveys and design. Field BTS node testing and integration, zoning support, RF consultant services, sales support, carrier strategy, smart grid wireless planning, disaster recovery planning, public safety design, location based services support, wireless broadband planning, wifi survey / planning / verification testing, project management and recruiting

Principal RF Engineer & MTS

Parallel Wireless

May 2013 to January 2015

(1 year 9 months) Lead RF Planning and Network Design efforts.

President

Specialized Wireless Consulting LLC Aug 2009 - Aug 2014 (5 years 1 month) Offering full wireless telecom design services

Market Lead - LTE RF Design Lightsquared for Nokia Macro & DAS Consultant

LightSquared

Apr 2009 - Jan 2012 (2 years 10 months)

Regional design Director for LTE RF Design Lightsquared for NSN project in New England.

www.lightsquared.com

New England Senior Manager - Carriers - in Building / Public Venue Coverage CSI

Wireless Inc.

February 2009 to April 2010

(1 year 3 months)

Senior RF Design Eng Region Lead Consultant

MetroPCS

August 2007 to February 2009

(1 year 7 months)

Network Integration RPM

Nokia-Southeastern, PA

May 2005 to July 2007

(2 years 3 months)

Senior Technical Consultant - National Wireless Accounts

ADC

March 2004 to February 2005

(1 year)

Regional Project Manager / Senior Engineer - RF Design

Siemens

April 2002 to June 2004

(2 years 3 months)

Regional Manager of Network Operations

Cingular Wireless

July 1996 to January 2004

(7 years 7 months)

RF Engineer Consultant

Nortel Networks

January 2001 to April 2002

(1 year 4 months)

Network overlay in San Diego. Worked as an RF Design and Optimization Engineer on a FOA for a new radio/software deployment isolating field issues with HQ.

Identified a network wide filter issue as well as Handoff issues from identification to resolution. Also worked on interference mitigation.

Ericsson Western US Manager of New Site Installation/Testing/Integration

Ericsson

August 1999 to January 2001

(1 year 6 months)

Went to Ericsson as an RTS Supervisor of Cell Site Installation, Commissioning and Customer

Acceptance. Had a team of about 20 contractors I trained to fully install a complete cellular site for TDMA and GSM. Work began with an empty room or shelter and the BTS, ladder rack, earthquake bracing, batteries, external alarms, T-1's,

Rectifiers etc.. were installed and tested. I managed the team, hours, equipment procurement, customer acceptance and quality audits for the region. Also had an

TDMA 884 cassette conversion project which was performed during the maintenance window 11PM-Midnight for which I most often had to provide onsite support, a very complicated process which involved recabling and reconfiguring the old site with new equipment and writing new data translation, thousands of lines for each site.

At that time sites were not GUI driven and you had to know unix/ translations and all proprietary Ericsson commands very well to bring a site up using Winfiol.

Senior Field Engineer III

AT&T

June 1996 to July 1999

(3 years 2 months)

1 of 8 people hired with prior military advanced electronics training to participate in FTAP (Field Training Apprentice Program) which was a two year program AT&T Wireless developed to certify telecommunications technicians.

Included build a cell certification in Seattle, all BTS/BSC and Switch certifications for Ericsson in Richardson Texas. A phone book sized technical task list which required signatures from an assigned mentor for all field related tasks- ie. sweep testing, T-1 testing, microwave testing, CDPD testing, data translations expertise, external alarm testing, base station installation and commissioning, drive testing, trouble ticket resolution, NOC expertise, COW (Cell

On Wheels) deployment and CDL license training, Cell site preventative maintenance, adding radios, retunes, optimization. Attained Tech Level 3 while at

AT&T

Advanced Electronics Technician / RF Comms Specialist

US Navy

June 1990 to March 1996

(5 years 10 months)

Graduated top 5% of Advanced Electronics School (16 weeks Orlando and 46 weeks in Chicago),

Certified PMEL Test Equipment Calibration Denver, Lowry AFB in conjunction with National Institute of

Standards, Certified 2M Micro/Miniature soldering F Level (highest level),

Certified Advanced Mobile Communications expert in Naval Special Warfare space on

HF/UHF/VHF/Satcom Harris and Motorola radios with frequency hopping and encryption, one of 30 US Navy ET's to complete IUSS Undersea Surveillance 2 year

Program. Naval Special Warfare sole communicator in the field of jungle operations when it counts the most to have your comms up and running!

Advanced Electronics Technician / Advanced RF Mobile Communication Expert

US Navy

June 1990 to March 1996

(5 years 10 months) that enables business- wide digital transformation

Certified, SEAL Tactical RF Mobile Communications HF,VHF,SHF,SATCOM

US Navy Littlecreek Tactical Advanced Mobile Communications

January 1994 to December 1994

Two Way Forest / Jungle communications specialist. One guy carries and operates all comms gear from HF to Satcom.

Certified F Level (Highest Level), Microminiature Soldering

US Navy Norfolk

January 1993 to December 1993

IUSS Integrated UnderSEA Surveillance - Sub Hunters- 1 of 20 ET in the Navy at the time to get my IUSS designation, a two year program

US Navy PMEL Lowry AFB

Certified, PMEL Test Equipment Calibration Micromasurement

Advanced Micro Measurement and Test Equipment Calibration School-3 Moths. Rated

January 1992 to December 1992

as on of the top C schools in the military.

ASEE, Advanced Electroincs

US Navy AEF(ET)

January 1990 to December 1992

Basic and Advanced Eletronics 16 & 46 Week School Ful-Time 70% of student dropped, ended up 2nd in my class

lbwave

Design Level 1 & 2, 3 certified

MITx Courses

5G Strategy for Business Leaders

2019 - 2020

5G Strategy for Business Leaders

MITx Courses

IoT System Design: Software and Hardware Integration

Course is designed to have learners understand how systems are developed using

IoT.

Many engineers and developers tend to focus on one discipline, either software or hardware. However, in today's age a comprehensive understanding of both disciplines and how they are interlinked is needed. This practical, hands-on course will give you a holistic understanding of system development from software and hardware perspectives. You will develop your own embedded system, learning as much from your failures as your successes as you go along.

Chief Technical Architect Federal 5G Edge CloudChief Technical Architect Federal 5G Edge Cloud

Dell Technologies-Florida, United States · Remote

· Advancing the Federal 5G and emerging wireless technologies initiative within

Dell for our top Federal clients.

Education

Business

Aveta Business Institute
1992 to Present

University of Florida
2020 to 2020

Post Graduate Program

The University of Texas at Austin's McCombs School of Business
2018 to 2018

BTS in BSC, MSC RBS

2000

US Navy Littlecreek Tactical Advanced Mobile Communications

FTAP AT&T Network Training Program
1996 to 1998

Bachelor of Science in BS, Electrical and Electronics Engineering

August 1992 to July 1996

ASEE in Advanced Electronics

1992 to 1992

Design

Week School Full-Time
1990 to 1992

Cloud Computing

The University of Texas at Austin's McCombs School of Business

Skills

- page 1 CJ Hicks ,Veteran, Wireless Industry Expert
- Wireless
- Sales Operations CJ Hicks ,Veteran, Wireless Industry Expert
- Cellular Communications
- Wireless Networking
- Telecommunications
- Program Management
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- In Progress RF
- Mobile Communications
- page 1 CJ Hicks ,Veteran, Wireless Industry Expert
- Network Design

- LTE
- Linux
- Git
- AWS
- DNS
- APIs
- Shell Scripting
- Scripting
- MySQL

Links

[linkedin.com/in/cj-hicks-veteran-wireless-industryexpert-02a7596](https://www.linkedin.com/in/cj-hicks-veteran-wireless-industryexpert-02a7596)

Certifications and Licenses

AWS Certified Cloud Practitioner - Foundational

CDL

Fundamentals of Engineering

CCNP Collaboration

CCNP

CCIE

PMI Certification

PMP

CCNA