

# THOMAS B. SEALEY II

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## Principal Engineer

*VoIP Architect and Technical Leader*

### PROFILE

Talented, results-driven and versatile Engineering Technical Leader, with a record of success in projects requiring an in-depth knowledge and solid experience working with complex cross-platform systems, network architecture, network design, testing, implementation, integration, and administration. Known for innovative problem solving, complex troubleshooting, and skillful relationship-building with executives and development teams.

Technically savvy and a quick study in emerging and advanced technologies, consistently called upon by management to improve effectiveness and efficiency through a personal contribution that aligns the business processes and technical infrastructure to realize cost savings, optimize performance in systems, design and cost-reduction strategies.

- Incorporating a wide range of applications and technologies, directed the efforts of multifunctional teams on various projects. Consistently recognized and entrusted to improve organizational effectiveness and efficiency through leadership that aligns the business objective with design goals.
- A builder of high performance teams who thrives in environments requiring a high-level strategist and a big picture thinker. Proven Project Management skills utilized in driving profitable and cost effective collaboration between critical business functions.

### CORE COMPETENCIES

**Technical Analysis • VoIP Network Design • IP Network Infrastructure Design • DOCSIS • Packet Cable • Complex Problem Analysis • Team Leadership • Certified Scrum Master • Large-Scale Load Testing • VoIP Network Configuration • Course Development and Training  
UNIX and Linux Platforms • Tier IV Service Escalation**

### EXPERIENCE

**Technicolor** Lawrenceville, GA 2015 - 2022

**Principal Engineer**

A continuation of the Cisco efforts below.

**Cisco Systems** Lawrenceville, GA 2010 - 2015

**Technical Leader, Engineering**

Load and Performance Test Team Leadership for Advanced Gateway Development Group providing Group VoIP quality assurance and laboratory simulation of multiple Cable Operators voice networks. Built out the lab to support the development of new products. Drive quality control standards and best practices.

- Developed the load and feature test methodologies to certify all models of Cable-Modems/Media Telephone Adapters (DOCSIS 3.0 & DOCSIS 3.1) and have had them deployed at Cable operators worldwide.
- Prepared course material and trained 28 engineers to independently conduct load test methodology.
- VoIP Architect who led Cisco to its first deployment of Intel based Cable Gateways – 5 Million+ deployed and counting.

**Time Warner Cable**

Herndon, VA

2006 - 2010

**Senior Test Engineer**

Load and Performance Test Team Leadership for Advanced Technology Group providing Group VoIP quality assurance and laboratory simulation in support of TWC voice network deployment. Manage and lead team efforts in the development of a new methodology and maintainable framework for the Group with a comprehensive test design and verification strategy. Drive quality control standards and best practices.

- Developed the load test methodology to certify all models of Cable-Modems/Media Telephone Adapters (CM/MTA) which drastically reduced the field problems.
- Prepared course material and trained 12 engineers to independently conduct load test methodology.
- Led testing on all Business Class Phone and Business Class Trunking projects.

**LogicaCMG Telecoms, Plc.**

Glen Allen, VA

2001-2006

Senior Test Engineer

**Cisco Systems**

Glen Allen, VA

1999-2001

Test Engineer IV

**DeftCom, Inc.**

Redmond, WA

1997 - 1999

Performance Test Engineer

**Dynamics Research Corporation**

Warner Robins, GA

1996 - 1997

Senior Systems Engineer

**Lockheed Martin Missiles & Space Company**

St. Marys, GA

1987 - 1996

Senior Systems Test Engineer

**United States Marine Corps Reserve**

Greenville, SC

1982 - 1987

**United States Marine Corps**

MCAS Beaufort, SC

1978 - 1982

Avionics Technician SGT (E-5)

Responsible for repair, troubleshooting and preventive maintenance of communication, navigation, and electronic countermeasure equipment on F-4J and F-4S aircraft.

**EDUCATION**

**Master of Business Administration** Brenau University Kings Bay, GA

**Bachelor of Science, Electrical Engineering** Clemson University Clemson, SC

**PATENTS****US Patent No. 7,822,815**

Unified messaging feature that treats calls differently based on the calling party number

**US Patent No. 6,724,865**

Arrangement for measuring response times in a voice response system using a bulk call generator

**TECHNICAL SUMMARY**

**Tools** Ameritec Fortissimo/Allegro/AM2-D/AM2-DX Bulk Call Generators, PTE, SPP-P, Sage 960, Advent NTE, CallGen, Seagull, HP Internet Advisor, Hammer IT, Chameleon 32+, Logic Analyzers, Data Scopes, TDRs, Telemetry Decommutators

**Programming/scripting languages** perl, python, TCL/TK, HTML, ksh scripting, Visual Basic, C, C++, ATLAS, Pascal, Ameritec scripting, & FORTRAN, C, C++, Matlab, Assembly language Programming

**Operating systems** UNIX (Solaris, SCO Unixware, & Linux), Cisco IOS, Windows, Mac OS, & VMS

**Protocols** DOCSIS, SIP, NCS, MGCP, Q931, SigTran, SS7, H323, SMTP, IMAP, LDAP, POP, SNMP, RTP, RTCP, SMPP

**Software** Wireshark, snoop, tcpdump, MS Excel, MS Access, TDMS, RTMon, Firefox, IE