**Patrick L. Chandler**

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**NETWORK & TEST ENGINEER**

***Cyber & Software Testing / System & Network Administration / Developer Experience***

***14-Year Record of Proven Results / Active Security Clearance***

**SKILLS SUMMARY**

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| --- | --- | --- |
| * Software Development  C, C++, Perl, Java, & HTML * Develop Test Plans & Cases * Ensure Compliance of Functional Requirements | * Ethical Hacking w/ Hacker Methods & Signatures * Software Development & Scripting & * Test Documentation | * Virus Reverse Engineering & Analysis * Network Administration * System Administration * Test Strategies |

**EDUCATION & CREDENTIALS**

BS in Computer Science  
University of Texas at San Antonio, TX

Certified Tester, Advanced Level Test Analyst, and Advanced Level Test Manager  
International Software Testing Qualifications Board (ISTQB)

**PROFESSIONAL EXPERIENCE**

**Cyber Research Engineer,** SRI International, San Antonio, TX,2014 to Present  
*Responsible for developing cyberspace test environments, test plans, test report development, and test range design for contractor testing of state-of-the-art Cyberspace Operations (CO) systems.*

* **Developed several tools for the Air Force to assess and manage test environments process**

**Test Engineer**, TASC, San Antonio, TX, 2000 to 2014  
*Responsible for maintaining the testbed network, test plans, test report development, and test range design for Developmental Test and Evaluation (DT&E) of state-of-the-art CO systems. Maintain network topology, network reconfigurations, and twenty (20) routers for the testbed network.*

* **Train junior and less experienced team member on test procedures and network maintenance, ensuring better support to the customer**
* **Transitioned software development efforts to a test-driven development (TDD) process,** which brought QA testing in on the front-end of the development cycle for gains in code quality, software functionality and programmer productivity.

**Associate Technical Staff,** Computer Science Corporation, San Antonio, TX, 1999 to 2000  
*External testing group providing quality-assurance assessment of software, hardware and systems.*

* **Developed several detection tools for the Air Force including a FrontPage Extension detector tool, BO2K detector tool, and detection tools for several Distributed Denial of Service programs**
* **Found and implemented unique string values for the IDS to identify hacker exploits and viruses**

**TECHNOLOGY SKILLS *(Complete List Available Upon Request)***

CISCO network, Ethereal/Wireshark, TCPDump, ATM telecommunications and multiplexer, ISDN Q.931, Protocols (TCP/IP, UDP, ICMP, SMTP, HTTP, etc.), Firewalls & Intrusion Detection Systems (IDS), 10 STU, KG-194, KIV-19, Operating Systems: Solaris, HPUX, AIX, Windows, Linux, and CISCO IOS; Visual Studio/Visual C++.

**TRAINING *(Complete List Available Upon Request)***

Test 101, Acq 101, Oracle 115 and 215, VMWare (vSphere 4 and 5, ESXi Server).

**INTERESTS**

Secure Coding, Cyber Security, Software Testing, Cyber Security Testing