4009 Spruce Drive

Raleigh NC 27612

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**SUMMARY**

*"Seasoned professional with expertise in Networking, Software development, and embedded systems design"*

**Relevant Training/Technology:**

* Engineering: Embedded Systems, Networking, Mechatronics, Power Systems
* Networking Protocols: TCP/IP, UDP, WLAN(802.11), VLAN(802.1Q), RIP, OSPF
* Operating Systems: Windows NT/XP/Vista/7, Unix/Linux and Solaris, Cisco IOS
* Languages: C/C++, C#, Java, Python, Perl, PHP, .NET, XML, HTML, Assembly
* Database: MySQL, Oracle, Access
* Applications/Tools: Matlab/Maple, PSpice, Apache, Ms Studio, Netbeans/Eclipse
* Communication & Presentation: Microsoft Office Business Suite, Visio

**PROFESSIONAL EXPERIENCE**

**Elster Solutions Raleigh,NC 2011-2012**

**Test Engineer**

* Contribute to the development of project goals and schedules.
* Independently write, execute, and maintain manual and automated test scripts.
* Work with developers to debug test failures and create defect reports.
* Analyze, document, and keep track of test results.
* Proactively identify obstacles that can impact schedule.

**I BM (Contractor with CTG)** **Raleigh, NC 2010-2011**

**Hardware Test Engineer**

* Execute and maintain manual and automated tests for IBM System X servers
* Install Windows, Linux, and VMware operating systems.
* First level troubleshooting, tracking and verification of hardware and software defects
* Identify risks to testing schedule and recommend strategies to address them
* Actively participated in the SW development process: Coordinated with the hardware and software engineers to ensured test processes and documentation were updated accordingly.

**Talari Networks Inc.** **Raleigh, NC**

**Software Engineer**  **2009-2010**

* Setup and tested virtual environments to help standardize software build processes
* Unix/Linux system programming with focus on inter-process communication
* Developed network applications implementing TCP/IP, UDP, Ethernet, L2/L3 protocols
* Developed software to use AAA protocol to authenticate users via Tacacts+ and Radius
* Created scripts and shells to help automate quality assurance testing.
* Used POSIX threads to the develop multithreaded test benches and applications
* Contributed to the product requirements, design specifications and test plans

**US Marine Corps**

**Ground Radio Repairman 1999-2004**

* Installed and upgraded Linux and Windows operating system for servers and desktops
* Provided computer networking support & administered field wireless networks
* Assembled, repaired, and installed vehicle, office and field communication cables
* Performed troubleshooting, maintenance, and procurement of parts for telecommunication equipment
* Maintained preventative maintenance schedule, and inventory for the vehicular communication equipment

**EDUCATION**

**B.S. - Electrical Engineering - May, 2009**

**B.S. - Computer Engineering - May, 2009**

**North Carolina State University, Raleigh, NC**

*Concentration:* Embedded Systems, Computer Networking, Electric Power Systems