**Charles Steuart Hihn III**

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**Position desired:**

Staff System Administrator

**Security Clearance:**

Top Secret plus SCI and TK with Full Scope Poly

**Education:**

* Masters of Science in Applied Information Technology, Certificate in DBMS from Towson University. May 2007
* Bachelors of Science in Information Technology through the University of Phoenix completed with honors. May 2004
* AA through Essex Community College, in general education with emphasis in Computer Science (CompSci).

**Programs supported:**

Autonomous Navigation System program for the Army’s Brigade Combat Modernization Team.
DDG for the Navy, Precision Runway Monitor, AN/APX, AN/TPX IFF Systems, PATRIOT and Standard Missile Fuze.

**Management training and application:**

* Integrated Product Design Management (IPDM)
* Capability Maturity Model and Integration (CMMI)
* Six-Sigma and Total Quality Methods
* System Design Life Cycle (SDLC) models
* Microsoft Project

**Software Languages:**

PL/SQL (Oracle) FORTRAN JAVA Script

SQL Server(Microsoft) BASIC Shell Script

C/C++ HTML Powershell

VB.NET, VB 6 Assembly languages (3)

**Operating Systems:**

Solaris UNIX Windows 7 DOS

Microsoft Server 2003, 2008 Linux

**Software CASE Tools:**

Rational Rose UML Visual Studio 6.0 Visio

MS Dot Net (.NET) Codewrite MS Office Suite

**Information Security Tools**

Wireshark OmniPeek NMap NetStumbler

sFind Ftimes dd DD (DFCLDD)

Fport TCPDump NetCat CryptCat

PS-tools (many)

**Certifications: 8570 compliant Security + SY0-401(2015)**

**Work Experience History (current employer):**

**April 2011 to Present**

 ENGILITY/Dynamics Research Corp (DRC) Staff System Administrator. Responsible for Cisco ASA Firewall configuration and upgrades, IP Security, Windows and Tomcat PKI, VPN configuration, IIS and Apache Tomcat Web Server deployment and administration, System Center Operations Manager deployment, configuration, reporting and administration. Information Assurance Vulnerability Alert (IAVA) compliance of servers. SQL Server deployment and administration. General support and System Administration duties of SharePoint MOSS Farms.

**August 2010 – December 2010**

 TESST College of Technology: Adjunct professor in the Computer Network Technology program. Providing education in Introduction to Programming, Database Management Systems, Linux Operating Systems, Windows Server Administration and CompTIA Security+. Virtualized instruction environment using MS VPC and VM Player.

**March 2006 to July 2010**

 General Dynamics Robotic Systems: (GDRS): Administration of Solaris 10 Unix, on Sun SPARK and Solaris Zone File Systems (ZFS), Linux, Windows Servers 2003 and 2008 and XP. Administration of Network Attached Storage (NAS). Assembly and repair, OS installation, configuration and deployment of HP Blade servers. Symantec’s NetBackup Administrator, setup and deploy master server, deploy clients, configure backup policies, schedules, maintain and trouble shoot LTO tape robots. Oracle DBA, installation and maintenance. System Administrator of PTC’s PDMLink (Windchill) providing user support and trouble shooting and repair of server and client side problems; Utilize Network Sniffers and packet analyzers (Wildpackets, Wireshark, Ethereal) to discover root causes of network problems. Automate administration tasks using bash and DOS scripts. Trained in MS SharePoint administration.

**January 1981 to March 2006**

 Raytheon Network Centric Systems, formerly Honeywell International Inc., formerly Bendix Communications Corp.: My work experience as a Technical Support Specialist Senior was varied and diverse. This is a short list of the many functions I performed; Help Desk response, Software Engineer, Mechanical Technician, Electronic Test Technician, Environmental Test Technician, Assembly Team Leader, Buyer, Field Service Technician, Program Obsolete Materials Manager, Software Code Verification, Network infrastructure both Ethernet and Optical Fiber and NATO information and hardware custodian.

**Ham Radio**

Technician Class License KB3GZB

**Professional and Academic Organization Membership:**

Association for Computing Machinery

Upsilon Pi Epsilon Honor Society,

**Other Memberships**

Boy Scouts of America
World Wide Outfitters and Guides Association
National Speleological Society

**References:** Available by request.

**Oracle**Oracle was used as the Database Management System (DBMS) for the project to complete the requirements for the MS in Applied Information Technology. This introduction convinced me that this would be a critical component of my IT tool box. Using Oracle, I developed a database to track obsolete electronic components. A task I had found challenging to keep accurate records of with the ever changing designs and manufacturer product lists. This project required performing all aspects of design from concept, requirements, schema, modeling, installation, DDL and DML, writing all the procedures, functions, triggers, test data and documentation. While at GDRS I attended both of the 10g administrations workshops offered by Oracle. These skills were then applied to maintain and migrate the oracle databases that are critical components of the ANS project..

**Linux**While at GDRS, daily support was provided to the Software Development, Simulation, Integration and Verification groups by installing Redhat Linux on many different Intel based servers, workstations and laptops and then upgrading as required to meet contract requirements. I also performed trouble shooting, repairing servers, resolving user problems and using G4L to capture images that may be used to create a common platform for all groups to use.
While at Towson University, Linux was used as both a target and investigative tool for the digital forensic class.

**Symantec NetBackup**Backup administration which requires defining the backup schema, selection to hardware, installation of server and client software, define and manage backup policies, schedules, tape rotation and off site storage.

**MS Server/Client**Daily support to the user community by providing helpdesk support, installing software, trouble shooting software and hardware problems, and instruction. Manage license managers including installation, setup, adding and updating license files. Installation and configuration of MS Server 2007.

**SharePoint**In the fall of 2009 I completed two training courses for SharePoint offered by Learning Tree International, Administering Microsoft Office SharePoint Server 2007 and Comprehensive Hands-On Introduction.

**PDMLink (Windchill)**Parametric Technology Corp. trained System administrator and Business Administrator. This product was hosed on Sun SPARC servers and RAID using the Solaris 10 OS. Daily duties included maintaining and patching the OS, helping the user community when problems were encountered with this Product Data Management tool. Escalation when the problems were beyond the scope of my knowledge and working with tech support to resolve the problems. Resolutions were documented for future reference. Maintenance and Backup of the Oracle database that serves as the backend of the system.

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