

# 1) Computer/Server Hardware and Software Knowledge.

## a) Systems

- i) Install and/or replace Motherboards, Ram, GPU's, Processors, Cooling Systems, Drives, and Power Supplies etc.
- ii) Installed and setup Dos, Linux, Windows 3.1 thru Window 10 and Mac OSX.
- iii) File Systems, compression, formats, extensions.

## b) Build, repair and upgrade Servers, Desktops, Laptops, and Cell Phone.

- i) My home system is a Modified Dual Raid - Dual Xeon (8 Core) T7400 Dell Workstation
- ii) Install SonicWALL NSA 3600 Firewall
- iii) Setup T1 Fiber Line to Office.
- iv) Built numerous computers/servers.
- v) Setup Raid Hard Drives on servers and desktops
- vi) Retrieve data on dead or deleted drives.
- vii) Repair hard drive (undelete partitions, repair, firmware upgrade)
- viii) Complete Wipe of Drive with DBAN no recovery of data.
- ix) Video configuration
  - (1) DisplayPort
  - (2) HDMI
  - (3) VGA
  - (4) DVI
- x) Troubleshoot system for errors (Ram, HD, GPU's, Motherboard, Processor, PS, etc.)
- xi) Update Bios and Firmware
- xii) Install Memory Risers on Servers
- xiii) Installed and configured Apple OSX on Dell and Lenovo Notebooks. They are essentially MacBook's.
- xiv) Setup Workstation Dual Boot with Windows 8 and Apple OSX. No virtualization.
- xv) Design and Build Server Racks
- xvi) Analyze Features, Cost and Purchasing Equipment

## c) Software

- i) Video
  - (1) Video Marketing
    - (a) <http://www.steven-hughes.com/play-all.html>
    - (b) Green Screening
    - (c) Audio Syncing
    - (d) Premiere Pro CC 2015
    - (e) After Effects CC 2015
    - (f) Adobe Audition 2015
  - (2) Video Compression (Codecs and newer technologies)
    - (a) Adobe Media Encoder CC 2015
    - (b) H.264 Standard
    - (c) VP9 (Googles New Compression i.e. YouTube) and Free
    - (d) H.265 or HVEC (Upgrade from H.264)
- ii) Marketing and Design Software

- (1) Adobe Photoshop CC 2015
- (2) Adobe InDesign CC 2015
- (3) Adobe InCopy CC 2015
- (4) Adobe Illustrator CC 2015
- iii) Setup Server (Outlook) Email System
  - (1) Configure individual Systems
  - (2) Setup server Spam Detection and Rules
- iv) Setup and/or change Windows Services for computer speed and reliability.
- v) Setup VMARE, Hyper-V and Virtual Box on systems to test software and operating systems before installing or if I need to run a driver or software not compatible with the current system (older HP Plotters drivers don't work with newer OS's.)
- vi) Microsoft
  - (1) Office (Version 95 to 2016 and 365)
  - (2) Email
  - (3) Beta Tester
  - (4) Microsoft MS-Dos
  - (5) Windows (1.0 to 10)
    - (a) I've been an Insider Windows 10 for almost 2 years on Laptops and Workstation
  - (6) Windows Server 2008
  - (7) Microsoft Azure Cloud
  - (8) Installing Windows Server 2016 Technical Preview on Hyper V-2.
  - (9) Web Design
    - (a) [www.steven-hughes.com](http://www.steven-hughes.com)
    - (b) Mobile
    - (c) Desktop (Browser Integration)
      - (i) IE
      - (ii) Firefox
      - (iii) Chrome
      - (iv) Safari
    - (d) Domain Purchasing and Setup
      - (i) TLD
    - (e) Cloud Integration

#### **d) Programming**

- i) Object Oriented System and Database Design and Flow Chart Design (Pseudocode)
- ii) PL1
- iii) C (Hexadecimal)
- iv) Fortran

#### **e) Industry Related**

- i) Setup AES-Intelligent long range wireless throughout San Antonio.
- ii) Setup and Program IP Camera Systems
- iii) Setup and Program Access Control
- iv) Install and Program Fire Alarm System
- v) Program Numerous Security System
  - (1) DSC

- (2) Napco
- (3) Ademco Vista
- (4) Radionics (Now Bosch)
- vi) Fire Alarm Systems
  - (1) Fire Alarm Planning Superintendent (Nicet III)
  - (2) Simplex
  - (3) Notifier (Distributor)
  - (4) Honeywell
  - (5) Fire-Lite
  - (6) Numerous others.
- vii) Takeoff and Estimating Software
  - (1) OST

I have been in the security industry for almost 30 years and have broad knowledge of Marketing, Purchasing, Design, Installation and Service. I also understand the relationship of Computer Systems and integration to the Electronic Systems Industry.

Please request contacts.

Thank You,

Steven Hughes