

SUMMARY

Technical professional with over 25 years of hands-on experience in architectural CADD, computer graphics, and technical illustration; Over 5 concurrent years of hands-on experience in digital content creation (3D-animation, video/multimedia production, web design, DTP); Over 5 years of hands-on experience in the design, installation, and operation of electronic display systems and computer networks (LAN/WAN); Over 6 concurrent years experience in custom web development, software development (desktop / mobile), and database programming.

TECHNICAL SKILLS

SOFTWARE:

- Operating Systems** – Linux (Debian, Ubuntu, Fedora), Microsoft Windows XP, Windows 7 & Vista, Windows 2000 Professional, Windows 2000 Server, Windows NT 4.0, Windows 98/95, Android, and Pocket PC/Windows Mobile.
- Desktop Office Applications** – MS Excel, MS Word, MS Access, Adobe Acrobat, and Open Office.
- Desktop CAD & Illustration Applications** – Revit, AutoCAD, DraftSight, CorelDRAW, InkScape, Adobe Illustrator, Sketch-Up, Adobe Photoshop/ Image Ready, Gimp, MS Visio and many other Open Source applications.
- Desktop Video/Animation/Multimedia Applications** – Newtek Lightwave 3D, Adobe After Effects, Adobe Premiere Pro, Adobe Encore/Soundbooth, Poser, Adobe Flash, Camtasia, Quicktime, Windows Media, and many other Open Source applications.
- Web Development Applications/Technologies** – Apache Solr, CouchDB, jQuery (Base, UI, Mobile), ExtJS, Sencha Touch, Fabric.js, HTML 4 & 5, CSS 2 & 3, Javascript, PHP, MySQL, Concrete5, Joomla, Expression Engine, Word Press, Open Realty, Open-X Ad Server, Open Cart, Zen Cart, Miva Merchant, Click-Cart Pro, Adobe Flash, Google App Engine and many other Open Source applications.
- Software Development Applications/Technologies** – Lazarus IDE, QT Framework/IDE, FreePascal, ExtPascal, Eclipse IDE, Spket, Sencha ExtJS, Sencha Touch, PhoneGap, Android SDK, Apache Lucene, SQL.
- Sign Network/Trafficking/Operation Software** – Webpavement (Signhost, SignAdmin, and SignOS), Ad Art Stadiavision software, and Point (by Newton Software).

HARDWARE:

- System Integration** – Custom PC configuration for video control room applications, video servers, render farms, RAID, file servers, and back-up.
- Diagnosing/ Repair** – Basic upgrading, troubleshooting, and repairing of Windows and Linux PCs and peripherals (printers, routers, switches, etc.).
- Electronic Displays** – Lighthouse LVS-0620-56 LED display component's.
- Networking** – Custom 802.11 B/G/N WiFi installation and operation, Verizon EVDO configuration, general Windows and Linux TCP/IP networking set-up and configuration, VPN WAN set-up using OpenVPN.

D. Shane Avery

Resume

135 Wheeler Woods Spur Road, Liberty, KY 42539 ... email: shane@averydc.com ... Mobile: (606) 787-1752

- DESIGN:**
- Architectural** – Residential and commercial building design and drafting. Creation and preparation of construction documents. Interior design documentation. Shop drawings and detailing. CAD software customization and management.
 - Web Site / Mobile App** – Custom HTML/CSS/MySQL database web site development, Adobe Flash, CMS (Concrete 5, Expression Engine, Word Press, Joomla, blogs, wikis, project management), and e-commerce (Open Cart, Zen Cart, Miva Merchant, & Click-Cart Pro). Enterprise level, scalable, distributed system design & development (Cloudant, CouchBase Server, CouchDB, Amazon AWS S3 & EC2). Mobile web and desktop web 2.0 application design (HTML4/5, CSS 2/3, SASS, Compass, Sencha Frameworks, Twitter Bootstrap). Android SDK / Java / Eclipse development.
 - Graphic** – Graphic arts and commercial art (logo designs, character development, advertising content, etc.).

PROFESSIONAL EXPERIENCE

Sapling Learning – Austin, TX
November 2013 – Present
HTML5 App Developer

- :: Developed HTML5/CSS3/Javascript “Virtual Labs” for Sapling Learning's “Proclamation 2015” curriculum content for the Texas state high-school system. Various labs utilize various frameworks (jQuery, jQuery Mobile, jQuery UI, Fabric.js, etc.) for client side interaction & processing.

Self-employed business owner, Avery Design & Consulting – Liberty, KY
2006 - Present
Web Developer, Designer & Operator

- :: Created A.W. Reed company website – awreed.com. Created using Zen-Cart CMS framework and various plug-ins, along with custom programming and integration.
- :: Created Cheesecakes Galore & More company website – cheesecakes-galore.com. Created using Zen-Cart CMS framework and various plug-ins.
- :: Created EnhanceICD company website – enhanceicd.com. Joomla CMS site.
- :: Modified and managed Las Vegas realtor website – marthabender.com. Static HTML site.
- :: Created local berry farm e-commerce website – RainbowHarvestFarm.net. Created using Zen-Cart CMS framework and various plug-ins.
- :: Created and maintained private tours & travel website – PremierToursOnline.com. Created using Joomla CMS framework and various plug-ins. The site is currently shut down.
- :: Created, designed, developed and operated (3) e-commerce website businesses – Shoesforfree.com, Sheshoedeals.com, Athleticshoes4less.com. Managed all operations end to end using Miva Merchant, Zen Cart, PayPal, USPS, and others to sell overstocked footwear on the web. All sites are currently shut down.
- :: Started web based Linux server business venture with associate – Ossabox.com. OSSAbox provided open source server appliances for small business networks. Created and maintained

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the company website and ran operations which includes building and configuring custom servers. Built (4) custom servers and workstations. The site is currently shut down.

- :: Created and maintained on-line mortgage and realty website – The Mortgage Shoppe LV, LLC. (themortgageshoppelv.com, homesbytheshoppe.com). Created using Joomla and Open Realty CMS frameworks.

Technical Support, Design & Consulting

- :: Created/ Authored user manual and video screen-cast tutorial for Ad Art VS Sports Controller software (custom Windows application for Tennis, Soccer, and Lacrosse stadium scoreboard operation – Yale University).
- :: Programmed a “template engine” class in Lazarus/FPC for use in Ad Art Tennis Scoring software (custom Windows application for tennis stadium scoreboard operation – Yale University).
- :: Created/ Authored user manual and video screen-cast tutorial for Ad Art VS Sports Controller software (custom Windows application for football stadium scoreboard operation – Yale University).
- :: Provided troubleshooting, diagnostics, and repair services for Ad Art Electronic Sign Company and the Frederick Keys baseball club. LED display (video) board was malfunctioning at the Keys Stadium in Frederick, MA. Provided on-site repairs and upgrades to the LED display and controlling equipment.
- :: Provided tech support, training and network design services for local businesses. Provided network LAN design service for True's Electric, Liberty KY. Provided PC based security system support for Polly's II shoe outlet, Danville, KY. Assisted System Design Works in Las Vegas, NV to design and implement a LAN for a Las Vegas Accounting firm using OSSAbox servers.
- :: Provided troubleshooting, diagnostics, and repair services for Ad Art Electronic Sign Company and the Wilkes-Barre Yankees. LED display (video) board was malfunctioning at the newly renovated Wilkes-Barre Stadium in Scranton, PA. Provided on-site repairs and upgrades to the LED display and controlling equipment several years running.
- :: Provided telephone & e-mail support services for Ad Art Electronic Sign Company customer - House of Blues in Orlando, FL. Provided support for legacy sign control software, “Point” by Newton Software.
- :: Provided design and consulting services for System Design Works in Las Vegas, NV. Conducted research for a remote controlled outdoor video advertising network. Performed evaluation and testing of commercial message creation software for small electronic displays.

Animation, Digital Content Creation, CADD

- :: Created 3D computer animations for Ad Art Electronic Sign Corp. clients - The Borgata Hotel (Atlantic City), and Marshall's Dept. Store / M&M Museum project (Las Vegas). Animations were created with Lighwave 3D and Adobe After Effects.
- :: Created 3D computer animations for Ad Art Electronic Sign Corp. clients - The Venetian Hotel (Las Vegas), The Palazzo Hotel (Las Vegas), and L.A. Subs (Las Vegas). Animations were created with Lighwave 3D and Adobe After Effects.
- :: Generated architectural design documents and presentation drawings for a factory alteration project in Columbus, Ohio. Design work was created in Autodesk Revit and used throughout the

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approval process for the client, ITC Manufacturing. Worked in cooperation with a local general contractor, Clay Lyon Co.

- :: Created several environmental and simulation animations for the HBO electronic sign in Los Angeles, CA as a contractor to Ad Art Electronic Sign Corp.
- :: Created an electronic sign simulation animation for the Luckman Art Gallery in Los Angeles, CA as a contractor to Ad Art Electronic Sign Corp.
- :: Created 3D digital mascot for Kahunaville Restaurant & Party Bar in Las Vegas, NV. Designed and created all digital assets for commercial advertisement using Lightwave 3D, Adobe Photoshop, and Adobe After Effects software. Modeled, textured, animated, rendered, composited, and finished mascot animation for intro and conclusion of video advertisement.
- :: Created 3D animation of automation equipment for Celerity Automation, Inc. in Paintsville, KY. Outlined and storyboarded several animations to demonstrate a custom application of their materials handling robotics system proposed for a Honda manufacturing facility. Modeled, textured, animated, rendered, composited, and finished demonstration animations for sales presentation (including audio).
- :: Created set of construction documents and CAD drawings for residential guest house project in Las Vegas, NV (Architect: Mike Purtill) & House of Worship in Liberty, KY.

Unemployed & in training –

December 2011 – June 2013

HTML5 App Developer, Android App Developer

- :: Developed an Android test app for offline search of downloaded PDF files based on Apache Lucene search engine library. Ported the JVM specific Lucene Java library to the Android specific virtual machine, Dalvik. Developed as a research project to explore offline search of downloaded publications available on JW.org.
- :: Developed an HTML5 and PhoneGap/Sencha Touch 2 based app called "Dwila", released on Google Play and on product website, dwila.net. The site is currently shut down.
- :: Developed company website using Concrete5 CMS for Codespring Labs LLC: codespringlabs.com
- :: Developed a working MVC patterned master/detail database CRUD application as a tutorial (MVC-Couch) using Sencha ExtJS-4 and CouchDB:
http://dshaneavery.couchone.com/mvccouch/_design/mvcCouch/index.html

Destination Commerce Corporation (d.b.a. OneBoat Outer Banks) – Manteo, NC

February 2009 – November 2011

Web Developer, Database Programmer, IT Manager, Software/System Architect

- :: Hired as a web programmer and developer to complete various IT, database application, email marketing, and database-driven website projects. Created, developed, and maintain several data-driven websites based on Expression Engine CMS framework and MySQL database (including custom HTML code, CSS code, Javascript code, PHP code, MySQL code etc.). Developed a custom email marketing system using Mail Chimp service and software, RSS feeds,

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and Expression Engine templates. Developed custom RSS feeds and XML Ical applications for website users and customers. Developed custom "Advertiser Marketing Interface" web application, based on Expression Engine and custom MySQL statements, PHP scripts, data entry/edit forms, Javascript, and Flash Action-scripts. Developed custom PHP extensions and plug-ins for Expression Engine. Integrated several web applications into company websites including "light-boxes", "Flash" animations, JQuery and JQuery-ui components, streaming video and more. Configured and maintain company LAN (Windows based workstations, WIFI Access Point, router, switches, printers, etc.) used for company operations in Manteo office. Built, configured, and maintained Linux based file server and redundant back-up file server for company operations. Set up VPN on file server for multi-office WAN using OpenVPN software. Researched and developed an enterprise level software project called "OneBoat Enterprise" based on Lazarus/FreePascal, CouchDB, ExtJS-4, Sencha Touch, PhoneGap, and dependent libraries.

Bennett Rosser International – Lexington, KY

February 2008 – February 2009

Architectural CAD designer, modeler & technician

- :: Hired as level 3 technician providing 2D and 3D design services using mostly Autodesk Revit, AutoCAD, and Google Sketchup. Worked in team environment developing design and construction documents for Georgetown College (KY), Pulaski Judicial Center (KY), YMA manufacturing (AL), and Tuskegee University (AL). Gained extensive experience creating Revit parametric "families" and programmable objects.

Wynn Design & Development – Las Vegas, NV

2006

Interior Design CAD designer

- :: Hired on a temporary contract basis to assist Wynn Design & Development with various interior improvement projects within the Wynn Las Vegas resort complex. Focused mainly on custom millwork, moulding, lighting, and finishes.

Urban Display Network LLC - Las Vegas, NV & NY, NY

2003 -2006

System Designer , System Installer , and Operations Manager

- :: Worked with IT manager to design from scratch a complete network infrastructure for implementing the first US outdoor electronic display network for 3rd Party advertising.
- :: Coordinated and participated with NY MTA, Clear Channel Outdoor, Lighthouse Inc., and Joint Merit in the installation of 80 outdoor electronic displays in Manhattan.
- :: Ran trafficking operations using Webpavement software for 3 years running, until contract expired with Clear Channel Outdoor in NY.
- :: Managed and directed (2) service technicians who performed upgrades, repairs, and software maintenance on computers and electronic display components.
- :: Coordinated with Clear Channel advertising executives and their clients to format and create still image, animated, and video advertisements to run on the network.
- :: Created and maintained UDN's corporate website that included interactive features such as a Flash sign locations map, an advertisement proofing area, and a project management interface.

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Self-employed – Las Vegas, NV

2001-2003

Architectural Designer, Digital Content Creator, Technical Consultant, Web designer

- :: Designed and drafted (CAD) several custom residential, religious, and commercial T.I. projects.
- :: Created several websites for various clients including: Digital Model Shop, Deluxe Posters, Networkx, inc., 1-800-FLOODED, Enhance Solutions, Lori Shannon Realtor, and Glamor Las Vegas.
- :: Created several animated and video advertisements for electronic sign owners and their clients including: Mahlmann Media, Mercado Del Sol, Blue Haven Pools, O-Aces bar, Cal-Fed Bank, Channel 3 Chatanooga, Sacramento Rivercats Baseball, Hamilton Place Mall, Table Mountain Casino, Bank of the West, Yellowbook, Selma Auto Mall, Chip-N-Dales, Future Ford, Acme AC, KRZR Radio, Fresno State University, and many others to numerous to mention.
- :: Created several 3D animations used in television commercials for Kahunaville, Alaris Media, and High Quality Productions and its clients including: Bank of the Sierra, the City of Corcoran, Plug-Grip, and Sierra View Hospital.
- :: Consulted for System Design Works, inc. during various technical projects including: control room design for the Fremont Street Experience outdoor video display vault in Las Vegas, software manual creation for the P.I.D.S. sign software project, and software documentation for the "signcntrl.dll" software component.
- :: Provided content creation software training for Don Bell Signs and their clients including: Pachino's Restaurant in Orlando and Kansas City Speedway.

Ad Art Electronic Sign Corp. – Las Vegas, NV

1996-2001

Director of Video Services

- :: Produced, scripted, created assets for, edited, and finished all in-house promotional, training, and corporate videos for Ad Art and its parent company, Display Technologies.
- :: Created several 3D animated "pre-visualizations" for animated sign spectaculars that were later constructed after being awarded the contract.
- :: Created 2D and 3D sports and advertising animations for sign customers (stadiums and malls) that were packaged with the sale of their electronic displays.
- :: Built and maintained custom computer systems for in-house content creation including workstations, video servers, and a render-farm network.
- :: Assisted the R & D department in the design of stadium video control room hardware and software to integrate new electronic display installations with existing control room equipment.
- :: Created and maintained Ad Art's corporate website.

Mikohn Sign Labs – Las Vegas, NV

1995

Animator

- :: Created 2D and 3D animations for sign customers and company promotional use.
- :: Pioneered the integration of then "industry standard" digital content creation software with electronic display output software.

Self-employed – Las Vegas, NV

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1994-1995

Architectural Designer and Technical Consultant

- :: Designed and drafted (CAD) several custom residential and religious projects. Drafted custom swimming pools for Mirage Pools.
- :: Designed and maintained a custom home inspection database application for "Mr. Inspector" using MS Access.
- :: Performed construction loan "voucher control" inspections for Cal-Fed/Pri-Merit/Wells Fargo banks.
- :: Created custom logos, business cards, and letterheads for local Las Vegas businesses.

Barry Greene, A.I.A./ Steven Small A.I.A. – Las Vegas, NV

1993-1994

CAD Operator

- :: CAD drafted commercial projects for Barry Greene Architect including: Morongo Hotel & Casino, Bank of America, Funtasmic amusement park, and Ladki Rental Car facility.
- :: CAD drafted custom residential projects for Steven Small Architect.

Self-employed, volunteer – Las Vegas, NV & NY,NY

1986-1993

Architectural Drafter – Construction Trades

- :: Designed and drafted custom homes for local Las Vegas contractors.
- :: Volunteer construction worker at world headquarters of Watchtower Bible & Tract society, NY.
- :: Worked in various construction trades (drywall, painting, framing, flooring, etc.).

EDUCATION

Southern Nevada Vocational and Technical Center

1986-1987

Drafting Vocational Training and Certification

- :: Basic drafting, repro-graphics, and CAD training (AutoCAD 2.0, VersaCAD).
- :: Winner of Southern Nevada Homebuilders Association "home design scholarship" in 1987 for best residential design.

Ed W. Clark High School - Southern Nevada Vocational and Technical Center

1984-1987

High School Graduate

- :: 3.8 grade point average.