BRYAN WIGGINS

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PROFESSIONAL SUMMARY Full stack tech geek who can get things done. A software and media developer with proven experience designing, implementing, and managing

networks, databases, and applications. Enjoys building instructional videos, the software to deliver them, and even the classroom itself if that's what's needed.

WORK HISTORY

Web Developer **AV Installer** Denver, CO **Freelance** Jul 2023 to Present

- Freelance IT and consulting services.
- Residential and commercial AV installation.
- WordPress development and administration.
- Animation and motion design

Poultry Rancher Makana Farms

Durham, NC Jun 2019 to May 2023

- Tended to family health matters.
- Raised, trained, and/or cared for chickens, turkeys, ducks, guinea fowl, guardian dogs, and horses.
- Built and/or maintained predator-proof barns, coops, video surveillance, and miles of electric fence.

Multimedia Specialist **American Kennel Club**

Remote Oct 2016 to May 2019

- Worked with IDs and SMEs within the organization, and SMEs from each breed or sport, to produce audio, video, and animated media for educational and promotional use.
- Produced a thousand videos for courses that train judges on each breed.
- Created the system used to generate a reference skeleton for each breed.
- Developed technique and presentation for motion-corrected gaiting analysis.
- Traveled to events to capture reference photos, interviews, and movement video.

HIGHLIGHTS: shooting over forty hours of green screen footage in a single week, and drawing the spots used in the Dalmatian judging course.

Web Application Developer | Database Manager **Innovation Research and Training**

Durham, NC Jan 2013 to Aug 2016

- Collaborated on a .Net application that administers and delivers training and assessments across multiple domains. Was primarily responsible for the "white label" skinning functionality.
- Worked with psychological and sociological researchers to both develop new and/or adapt existing web apps to meet the needs of various research and intervention projects.
- Worked with the Art Department to ensure tight integration between the needs of their course design, and the capabilities of the display layer our multi-tenant LMS, for which I was primarily responsible.
- Built a nested assessment system to enable interagency auditing.
- Built a study management framework featuring a recruitment system integrated with standalone static sites. allowing for anonymous signups that eventually correlate with database records.
- Created the course listing and course player features, from wireframes to database to CDN, when we added a SCORM engine to our platform. Features included multiple types of user uploads, student questions and feedback, and a display layer that allowed a decade of legacy SCORM content to work responsively.
- Administered DNS, CDN, web hosting, MS 365, local and offsite backups, and ActiveDirectory.
- Assisted with planning and implementation of building retrofit when business expanded to new location.
- Oversaw migration from PBX to VOIP over T1.

HIGHLIGHTS: implementing multi-layered row-level encryption for an NIH study management interface, writing stored procedures that emit other stored procedures, and learning how to write MS Word files from C#.

AV Installer | Lead Tech Inter Technologies

Greenville, NC Mar 2011 to Feb 2012

- Installed and configured classroom and conference room AV systems in education and medical environments.
- Provided skills training to other techs. This included soldering, terminations, and general installation skills.
- Responsible for all of team's rack building.

HIGHLIGHTS: building analog and digital AV systems for a medical school's new teaching clinic. This included a mile of fiber, a 64x64 matrix video switcher, and three interconnected multi-room precepting systems.

TECH SKILLS						
Back End	Javascript	Front End	Network	Design	Hardware	Media
SQL	vanilla	HTML	DNS	['] Print	Audio	Audio
.Net	jQuery	CSS	LAN	Web	Video	Video
SCORM	React		VOIP	Logo	Network	Animation
	TypeScript		ActiveDirectory	Instructional	Security	Photography

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Software Developer | Designer Freelance

Greenville, NC Aug 2010 to Dec 2012

- Provided web and graphic design, software development, database administration, and product photography.
- Built a PHP CMS that uses flat text files to work as a headless CMS without a back end. Once configured for a client, it provides extremely simple updating, almost nothing to break, and the attack surface of a static site.
- Performed ongoing maintenance and feature additions to my software for previous employer.
- Helped set up front desk and computer lab of previous employer's new headquarters per my design.

HIGHLIGHTS: standing up my first two commerce sites, and building assets to market a private island.

Software Developer | Registrar Mid-Atlantic Safety Council [Delta Safety Training]

Wilmington, NC Jan 2002 to Jul 2010

- Designed, developed, and evolved software to run training centers. Scheduling of students, instructors, and classes plus payments, reporting, data warehousing, and ID cards for multiple locations in real time.
- Access front end, SQL Server back end, acquiring photos from camcorder via TWAIN framegrabber card.
- Was ultimately responsible for the accuracy of all student records. During my years as Registrar, no significant data or recordkeeping discrepancies were found in annual on-site audits by our academic accrediting body or others.
- Was responsible for all hardware and software infrastructure as we grew from one to five locations: staff workstations, student computer labs, and classroom AV systems.
- Created new and updated existing computer based training used across our locations.
- Helped the council grow from one to five locations, each with a 10–30 seat computer lab and one or more classrooms.
- Built a secure kiosk version of our administrative system that allowed an instructor to work solo with staff generating paperwork and ID cards remotely throughout the day.
- Became the council's advocate for students with literacy or language difficulties, helping to ensure they received effective training, yet weren't denied access to job sites.
- Maintained security of controlled documents for accredited testing.
- Ran daily operations most days: Getting each student checked in, through their combination of instructor led and computer based training, and checked out again. Used my software to take photos, generate reports, and issue ID cards.
- Performed respirator fit testing and inspection/maintenance of fire suppression systems at local chemical plants.
- Developed course content for Delta Training as needed.
- Oversaw migration from PBX to VOIP over T1.
- Designed floor plan (student flow, front desk, secure enclaive, computer lab, classrooms) in council's new building.

HIGHLIGHTS: building my first significant piece of software, and seeing it successfully run daily operations for eight years without major issues as we grew from one to five locations.

Technical Illustrator Delta Training Partners

Courseware Developer

Wilmington, NC Sep 2000 to Jan 2002

- Worked with internal and external SMEs from the pulp and paper industry to build content and courses for both paper-based and digital training systems.
- Created equipment illustrations, flow diagrams, and other content for paper-based "train the trainer" products.
- Developed Interactive animations of mechanical and chemical processes.
- Oversaw voiceover recording sessions at local studios.

HIGHLIGHTS: using the HalfLife game engine to model and simulate industrial environments.

OTHER EXPERIENCE

- Pre-press for offset lithography, flexographic web, letterpress, and silk screen. Including trapping and color separation for spot, duo/tritone, and four color process.
- Film imagesetters and process darkroom.
- Data handling and canvassing for poliltical campaigns.
- Published a 32-page monthly real estate magazine
- Live sound (and some lighting) for music and theatre.
- Automotive, commercial, and residential security installation.
- Adult literacy tutor.

SOFT SKILLS

- I have worked with a wide range of people, and have an easy time finding common ground with almost everybody.
- I enjoy helping people learn, and I'm good at conveying information tailored to someone's existing knowledge.
- I am comfortable both giving and following orders, because the show must go on.
- I tend to keep cool under pressure.